

**DEPARTMENT OF THE NAVY  
NAVY FAMILY HOUSING  
FISCAL YEAR 1999  
OSD BUDGET ESTIMATES  
INDEX**

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**DEPARTMENT OF THE NAVY**  
**FY 1999 BUDGET SUMMARY**  
**(\$000)**

<b>Construction</b>	<b>FY1997</b>	<b>FY1998</b>	<b>FY1999</b>
New Housing	271,951	90,053	60,982
Construction Improvements	205,383	173,780	211,322
Design	22,552	15,100	15,618
<b>Subtotal Construction</b>	<b>499,886</b>	<b>278,933</b>	<b>287,922</b>
<b>Operations, Utilities, Maintenance, Leasing and Debt</b>			
Operating Expenses	192,031	189,716	183,652
Utilities	204,967	199,776	188,986
Leasing	108,531	124,507	135,079
Maintenance	515,954	462,427	433,932
Debt	80	78	76
<b>Subtotal Operations, Utilities, Maintenance, Leasing and Debt</b>	<b>1,021,563</b>	<b>976,504</b>	<b>941,725</b>
Reimbursable Program	21,212	21,289	21,368
<b>Subtotal Operations, Utilities, Maintenance, Leasing, Debt and Reimbursable Program</b>	<b>1,042,775</b>	<b>997,793</b>	<b>963,093</b>
<b>Total Construction, O,U,M,L,D and Reimb Less Reimbursable Program</b>	<b>1,542,661</b>	<b>1,276,726</b>	<b>1,251,015</b>
Budget Authority	21,212	21,289	21,368
	<b>1,521,449</b>	<b>1,255,437</b>	<b>1,229,647</b>
<b>Appropriation:</b>			
Construction	499,886	278,933	287,922
Operations, Utilities, Maintenance, Leasing, and Debt	1,021,563	976,504	941,725
<b>Total Appropriation</b>	<b>1,521,449</b>	<b>1,255,437</b>	<b>1,229,647</b>

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET ESTIMATE  
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1999 Program \$60,982

FY 1998 Program \$98,516

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new and replacement family housing units and associated facilities such as roads, driveways, walks, utility systems, and community and recreational facilities.

Program Summary

Authorization is requested for:

- (1) Construction of 312 replacement homes; and,
- (2) Appropriation of \$60,982,000 to fund this construction.

<u>Activity</u>	<u>Mission</u>	<u>No. of Homes</u>	<u>Amount</u>
NAS Lemoore, CA <u>a/</u>	Current	162	\$31,134
PWC Pearl Harbor, HI <u>a/</u>	Current	<u>150</u>	<u>29,848</u>
<b>TOTAL</b>		<b>312</b>	<b>\$60,982</b>

a/ Replacement homes.

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## 3. INSTALLATION AND LOCATION

NAVAL AIR STATION  
LEMOORE, CA

## 4. PROJECT TITLE

FAMILY HOUSING

## 5. PROGRAM ELEMENT

recreational facilities and expanded common open spaces reflecting the Navy's Neighborhood of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035.

**CURRENT SITUATION:** The Capehart homes were built between 1959 and 1962. Cracking and lateral movement of the slabs, concrete block walls, rafters, and sill plates has resulted in structural instability and moisture penetration. The shifting high water table and the sandy loam, with its high concentration of alkali and boron, cause constant shifting of load bearing surfaces. Construction defects have seriously compounded the problem. No horizontal reinforcement is present in the thin (some only 3" thick) slabs and adjoining block walls. Other construction defects include electric wiring with reverse polarity, expansive areas of single pane windows, lack of insulation in walls and ceilings, asbestos in floor tile and ceilings, and lead-based paint. The roofs are over 25 years old, driveways and sidewalks are shifting, and utility distribution systems (electrical, gas, water, and sewer) are all severely deteriorated. The activity has been forced to take several units off line. The Navy cannot afford to lose government homes in this remote location. Little or no private sector rental housing is available. The necessity for two on-base schools attests to the remoteness of the base. The loss of homes would adversely affect military families.

**IMPACT IF NOT PROVIDED:** Military members will be forced to choose between involuntary separations from their families, or commuting unacceptable distances. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention of quality personnel will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facilities Planning and Design Guide".

Necessary coordination with the school district is in progress.



SERVICE: DON LOCATION: LEMDORE O' SEAS: N FY: 99

BASELINE: ( 17317 ) ( 829 ) 14353  
 ( NET SM ) ( \$/NSM ) = 5' LINE

PROJECT FACTORS:  
 ( 1.17 ) ( 1.00 ) ( 0.98 ) 1.1466  
 ( ACF ) ( PROJ SIZE FAC ) ( UNIT SIZE FAC ) = PROJ FAC

HOUSING COST: ( 14353 ) ( 1.1466 ) 16457  
 ( 5' LINE COST ) ( PROJ FAC ) = HSG COST

( 0 ) ( 1.17 ) ( 162 ) 0  
 ( /UNIT SOLAR ) ( ACF ) ( UNITS ) = T. SOLAR

[ ( 16457 ) + ( 0 ) ] / ( 162 ) 101.59  
 [ ( HSG COSTS ) ( SOL COST ) ] / ( UNITS ) = AVG UNIT

SUPPORTING COSTS:

PAVING AND SITE IMPROVEMENTS	3588
UTILITIES	2962
LANDSCAPING	823
RECREATION	296
SPECIAL CONSTRUCTION FEATURES	165
OTHER FACILITIES	1213
DEMOLITION	2469
LAND PURCHASE	0

37.0% OF TOTAL HOUSE COST SUPPORT COST: 11516  
 ( 16457 ) + ( 0 ) + ( 11516 ) = 27973

SUMMARY: ( HSG COST ) + ( SOL COST ) + ( SUPPORT COST ) = SUBTOTAL  
 ( 27973 ) + ( 1399 ) + ( 1762 ) = 31134  
 ( SUBTOTAL ) + ( CONTINGENCY ) + ( SIOH ) = PROJ TOTAL

ROUND: 31134  
 ( 31134 ) / ( 17317 ) = 1798  
 ( PROJ COST ) / ( NET SM ) = PROJ \$/NSM

PROJECT SIZE FACTOR  
 (# OF UNITS)

1 - 9 = 1.15
10 - 19 = 1.10
20 - 49 = 1.05
50 - 99 = 1.02
100 - 199 = 1.00
200 - 299 = 0.98
300 - 499 = 0.96
500+ = 0.95

UNIT SIZE FACTOR  
 (AVG NSM)

56 - 69 = 1.05
70 - 78 = 1.03
79 - 88 = 1.01
89 - 97 = 1.00
98 - 106 = 0.99
107 - 116 = 0.98
117 - 125 = 0.97
126+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 970925		2. FISCAL YEAR 1999		3. REPORT CONTROL SYMBOL DD-A&L(AR)1716	
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION							
5. DATA AS OF MAR 97		a. NAME NC NAS LEMOORE, CA					b. LOCATION CALIFORNIA		
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		Officer (a)	E9-E7 (b)	E6-E1 (c)	Total (d)	Officer (e)	E9-E7 (f)	E6-E1 (g)	Total (h)
6. TOTAL PERSONNEL STRENGTH		512	302	3704	4518	607	348	4656	5611
7. PERMANENT PARTY PERSONNEL		466	296	3496	4258	607	338	4179	5124
8. GROSS FAMILY HOUSING REQUIREMENTS		347	277	2094	2718	465	313	2505	3283
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		7	3	458	468				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	284	284				
c. UNACCEPTABLY HOUSED IN COMMUNITY		7	3	174	184				
10. VOLUNTARY SEPARATIONS		13	13	190	216	17	15	230	262
11. EFFECTIVE HOUSING REQUIREMENTS		334	264	1904	2502	448	298	2275	3021
12. ADEQUATE ASSETS (a+b)		329	262	1600	2191	389	268	2145	2802
a. UNDER MILITARY CONTROL		78	165	671	914	7	27	1404	1438
(1) Housed In Existing DOD Owned/Controlled		78	165	546	789	7	27	760	794
(2) Under Contract/Approved						0	0	644	644
(3) Vacant		0	0	5	5				
(4) Inactive		0	0	120	120				
b. PRIVATE HOUSING		251	97	929	1277	382	241	741	1364
(1) Acceptably Housed		249	96	900	1245				
(2) Vacant Rental Housing		2	1	29	32				
13. EFFECTIVE HOUSING DEFICIT (11-12)		5	2	304	311	59	30	130	219
14. PROPOSED PROJECT						0	0	162	162
15. REMARKS									
<p>Block 4. NAS Lemoore is located in a predominately rural area. Large scale agriculture dominates the surrounding region. The local economy is unable to satisfy the requirement for rental housing. Vacancy rates are below the market equilibrium rate of 5%.</p> <p>Lines 6 &amp; 7. Current personnel strength reflects FY97 data. Projections are for FY02.</p> <p>Line 9b. Reflects homes to be replaced in the Capehart housing area. The homes have been determined to be structurally unsound. The economic analysis supports replacement.</p> <p>Line 12.a.(2). The 644 homes include 240 (phase 1) 276 (phase 2) replacement projects approved in FY96 and FY97, and assumes Congress has approved the FY98 128 (phase 3) replacement project.</p> <p>Line 14. Project composition is as follows:</p> <div style="margin-left: 40px;"> 162 Enlisted Homes      32 JEM 2 bedroom  130 JEM 3 bedroom  <hr style="width: 10%; margin: 5px auto;"/> 162 Total Homes </div>									

<b>NAVY</b>		<b>FY1999 MILITARY CONSTRUCTION PROJECT DATA</b>			//	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER PEARL HARBOR, HI				4. PROJECT TITLE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER H-379	8. PROJECT COST (\$000) 29848			
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
Family Housing:	FA	150	108820	16323		
Buildings	SM	13239	1233. 01	( 16323)		
Supporting Costs:				10368		
Paving & Site Improvements				( 3558)		
Utilities				( 2938)		
Landscaping				( 940)		
Recreation				( 294)		
Spec Construction Features				( 163)		
Demolition				( 2475)		
Subtotal				26691		
Contingency (5%)				1335		
				AAAAAAA		
Total Contract Cost				28026		
SI OH (6. 5%)				1822		
				AAAAAAA		
Total				29848		
Total (Rounded)				29848		

  

**10. Description of proposed construction**

Multi-family housing units; wood or metal frame, or masonry with stucco or vinyl siding, covered parking, covered patios, privacy fencing, exterior storage and recreational facilities. Fire sprinkler system included in unit price. Special construction feature exits for hurricane wind bracing. Demolition includes removal of asbestos.

Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total
JEM	2	88	1. 4500	850. 35	150	16323
					AAAAA	AAAAA
					150	16323

**11. Requirement:**

**PROJECT:** This project replaces 150 homes for junior enlisted families associated with PWC Pearl Harbor. (Current Mission)

**REQUIREMENT:** This is the first of five phases to replace 556 severely deteriorated homes in the Hale Moku housing area. The economic analysis recommends replacement as the proposed course of action as it corrects current deficiencies and provides modernized, energy efficient homes. This project includes community recreational facilities, and expanded common open spaces reflecting the Navy's Neighborhoods of Excellence concepts. Recreational facilities include tot lots, jogging paths, and playing courts/fields in accordance with MIL-HDBK-1035.

## 3. INSTALLATION AND LOCATION

PUBLIC WORKS CENTER  
PEARL HARBOR, HI

## 4. PROJECT TITLE

FAMILY HOUSING

## 5. PROGRAM ELEMENT

**CURRENT SITUATION:** Hale Moku was constructed in 1941. Termite damage in this housing area is so extensive that the structural integrity of some of the homes is in jeopardy. The exteriors of these homes have asbestos siding, and the interiors contain lead-based paint. The homes are outdated and do not meet acceptable standards of comfort and habitability. Electrical wiring is deteriorated and no longer meets code.

**IMPACT IF NOT PROVIDED:** Excessive maintenance and repairs will be required to keep the homes in a safe, habitable condition until future programming efforts are successful. Military members will be forced to choose between involuntary separations from their families, or accepting housing that is unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention of quality personnel will be adversely impacted.

Project design conforms to Part II of Military Handbook 1190, "Facilities Planning and Design Guide".

Necessary coordination with the school district is in progress.

SERVICE: DON LOCATION: PEARL HARBOR O' SEAS: Y FY: 99

BASELINE: ( 13239 ) ( 850 ) 11258  
( NET SM ) ( \$/NSM ) = 5' LINE

PROJECT FACTORS:

( 1.45 ) ( 1.00 ) ( 1.00 ) 1.4500  
( ACF ) ( PROJ SIZE FAC ) ( UNIT SIZE FAC ) = PROJ FAC

HOUSING COST: ( 11258 ) ( 1.4500 ) 16323  
( 5' LINE COST ) ( PROJ FAC ) = HSG COST

( 0 ) ( 1.45 ) ( 150 ) 0  
( /UNIT SOLAR ) ( ACF ) ( UNITS ) = T. SOLAR

[ ( 16323 ) + ( 0 ) ] / ( 150 ) 108.82  
[ ( HSG COSTS ) ( SOL COST ) ] / ( UNITS ) = AVG UNIT

SUPPORTING COSTS:

PAVING AND SITE IMPROVEMENTS 3558  
UTILITIES 2938  
LANDSCAPING 940  
RECREATION 294  
SPECIAL CONSTRUCTION FEATURES 163  
OTHER FACILITIES 0  
DEMOLITION 2475  
LAND PURCHASE 0

34.7% OF TOTAL HOUSE COST SUPPORT COST: 10368

( 16323 ) + ( 0 ) + ( 10368 ) = 26691

SUMMARY: ( HSG COST ) + ( SOL COST ) + ( SUPPORT COST ) = SUBTOTAL

( 26691 ) + ( 1335 ) + ( 1822 ) = 29848

( SUBTOTAL ) + ( CONTINGENCY ) + ( SIOH ) = PROJ TOTAL

ROUND: 29848

( 29848 ) / ( 13239 ) = 2255

( PROJ COST ) / ( NET SM ) = PROJ \$/NSM

PROJECT SIZE FACTOR

(# OF UNITS)

1 - 9 = 1.15  
10 - 19 = 1.10  
20 - 49 = 1.05  
50 - 99 = 1.02  
100 - 199 = 1.00  
200 - 299 = 0.98  
300 - 499 = 0.96  
500+ = 0.95

UNIT SIZE FACTOR

(AVG NSM)

56 - 69 = 1.05  
70 - 78 = 1.03  
79 - 88 = 1.01  
89 - 97 = 1.00  
98 - 106 = 0.99  
107 - 116 = 0.98  
117 - 125 = 0.97  
126+ = 0.96

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (YYMMDD) 970925		2. FISCAL YEAR 1999		3. REPORT CONTROL SYMBOL DD-A&L(AR)1716	
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION							
5. DATA AS OF MAR 97		a. NAME PA NC HAWAII					b. LOCATION HAWAII		
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		Officer (a)	E9-E7 (b)	E6-E1 (c)	Total (d)	Officer (e)	E9-E7 (f)	E6-E1 (g)	Total (h)
6. TOTAL PERSONNEL STRENGTH		2220	1898	14114	18232	2205	1973	13569	17747
7. PERMANENT PARTY PERSONNEL		1917	1735	13104	16756	1851	1746	12442	16039
8. GROSS FAMILY HOUSING REQUIREMENTS		1355	1564	7049	9968	1342	1594	6747	9683
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		41	25	516	582				
a. INVOLUNTARILY SEPARATED		0	1	3	4				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	150	150				
c. UNACCEPTABLY HOUSED IN COMMUNITY		41	24	363	428				
10. VOLUNTARY SEPARATIONS		22	50	377	449	21	51	364	436
11. EFFECTIVE HOUSING REQUIREMENTS		1333	1514	6672	9519	1321	1543	6383	9247
12. ADEQUATE ASSETS (a+b)		1373	1583	6278	9234	1317	1547	6170	9034
a. UNDER MILITARY CONTROL		1115	1393	4621	7129	1077	1353	4576	7006
(1) Housed In Existing DOD Owned/Controlled		1042	1303	4554	6899	1077	1353	3760	6190
(2) Under Contract/Approved						0	0	816	816
(3) Vacant		66	82	67	215				
(4) Inactive		7	8	0	15				
b. PRIVATE HOUSING		258	190	1657	2105	240	194	1594	2028
(1) Acceptably Housed		250	186	1602	2038				
(2) Vacant Rental Housing		8	4	55	67				
13. EFFECTIVE HOUSING DEFICIT (11-12)		-40	-69	394	285	4	-4	213	213
14. PROPOSED PROJECT						0	0	150	150
15. REMARKS									
<p>Block 4. COMNAVBASE Pearl Harbor directs and coordinates support to the Pacific Fleet provided by numerous shore activities established within the Naval Base area of responsibility.</p> <p>Line 5 &amp; 7. Current personnel strength reflects FY97 data. Projects are for FY02 and they exclude Navy personnel moving to Kaneohe Bay.</p> <p>Line 9b. Includes 150 homes identified for disposal/replacement associated with the Hale Moku replacement projects.</p> <p>Line 12a(2). Projections include the remaining FY93 and FY95 Congressional adds (300 homes) and the approved FY96 phase 3 replacement project for Moanalua Terrace (252 homes), and FY97 project for final phase of Moanalua Terrace replacement (264 homes).</p> <p>Line 14. Project composition is as follows:</p> <p>150 Enlisted homes 150 JEM 2 bedroom</p>									

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET ESTIMATE  
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1999 Program \$211,322  
FY 1998 Program \$173,780

Purpose and Scope

This program provides for improvements and/or major repairs to revitalize Department of the Navy (DON) family housing and the supporting neighborhood site and facilities. This program is the primary vehicle for the DON to ensure that our aging inventory of homes are kept suitable for occupancy; as such, this program has a major role in maintaining a high quality of life for DON families. This program funds projects which will increase the useful life and livability of homes and neighborhoods, bring them up to Department of Defense standards, and make them more energy efficient and less costly to maintain.

Program Summary

Authorization is requested for:

(1) Various improvements and/or major repairs to revitalize existing family housing; and

(2) Appropriation of \$211,322,000 to fund these revitalization projects.

(3) We are continuing our emphasis on revitalization through whole-house projects, which will accomplish all required improvements and repairs at one time. This program also includes repair projects considered to be a major investment.

(4) A separate DD 1391 is attached for all projects exceeding \$50,000 per unit as adjusted by the area cost factor.

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<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u> (\$000)
<u>INSIDE THE UNITED STATES</u>		
<u>CALIFORNIA</u>		
NAWS China Lake (H-1-95-2) This project revitalizes 86 enlisted homes in the Capehart "A" neighborhood. Work involves the complete revitalization of kitchen and baths. Provides improved circulation in the kitchen. Upgrade the electrical system. Replace heating and air conditioning. Replace the windows, doors, floors, and windows. Provide additional insulation. Replace roofs, gutters and downspouts. Renovate the garages to add storage. Replace siding and add structural integrity to resist seismic events. Remove asbestos and lead-based paint. Provide new patio slab with a sun cover, additional landscaping and improved irrigation. (See separate DD Form 1391)		6,773
NAS Lemoore (H-3-99) This project revitalizes 40 enlisted homes in Alvarez Village. Includes the revitalization of kitchens and baths. Upgrades the electrical and plumbing systems, adds insulation and repairs interior and exterior walls. Includes the abatement of asbestos and lead paint hazards.		2,146
NPGS Monterey (H-4-93) This project revitalizes 139 officer homes in La Mesa Village. The work will include renovation of the kitchens and bathrooms; upgrade of the electrical system; redesign and replacement of the roof; replacement of sliding glass doors and an exterior redesign and renovation; interior/exterior painting and landscaping overall.		7,206
CNB San Diego (H-61-98-3) This project revitalizes 324 enlisted homes in Murphy Canyon. This project includes the revitalization of kitchens and baths. It includes the replacement of electrical and plumbing throughout; replacement of interior and exterior doors. Provide energy efficient windows, water heaters and new heating and air conditioning systems. This project includes the abatement of asbestos in ceilings and floor tiles. Install attic and wall insulation. Repair stucco. Replace garage doors. Provide additional sidewalks, upgrade patios and provide a cover; replace privacy fencing. Improve landscaping. Repair driveways and walks. (See separate DD Form 1391)		25,470

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>CONNECTICUT</u>		
NSB New London (H-12-92 1)		6,492
This project revitalizes 72 enlisted homes in the Nautilus Park 2 neighborhood. Work includes revitalization of kitchens and baths. Includes the addition of a half bath or master bath. Provides for the replacement of windows, heaters and floors; replace electrical wiring. Replace carports with garages to include a laundry and storage area. Abate lead-based paint and asbestos. Replace roofs. Site work includes repair to the streets, sidewalks, water distribution, storm drainage, and sanitary sewer system. (See separate DD Form 1391)		
<u>HAWAII</u>		
CNB Pearl Harbor (H-2-95-2)		6,703
This project revitalizes 68 enlisted homes in NCTAMS EASTPAC. Work includes the revitalization of kitchens and baths. Includes interior modifications to better utilize existing space. In homes where there is none, add a family room and lanai. Add a bathroom to some homes. Carports and exterior storage will be provided. The electrical system will be upgraded; insulated windows and window coverings will be installed. The plumbing system will be upgraded and water saving devices will be provided. In the neighborhood, landscaping, street lighting, entry courts, tot-lots, playgrounds and appropriate pathways will be provided. (See separate DD Form 1391)		
CNB Pearl Harbor (H-1-95-2)		5,726
This project revitalizes 54 homes in the Hokulani neighborhood. Work includes the revitalization of kitchens and baths. Family rooms and master baths will be added to some homes without them. The project adds air conditioning, upgrades the electrical , and plumbing systems, replaces doors, windows and siding. Site work includes landscaping, street lighting, upgrades to utility distribution, playgrounds and sidewalks. (See separate DD Form 1391)		

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
CNB Pearl Harbor (H-3-95-1) This project revitalizes 32 senior officer homes in the Makalapa neighborhood. Work includes the complete renovation of kitchens and the installation of central air conditioning. Provides for upgrades to the electrical and plumbing systems and repairs the flooring. Adds electric meters. Mitigates asbestos and lead paint hazards and repairs termite damage. Adds privacy fencing. (See separate DD Form 1391)		3,942
CNB Pearl Harbor (H-3-97-3) This project revitalizes 103 enlisted and officer homes in the Pearl City Peninsula housing area. Work includes the revitalization of kitchens and baths. Includes upgrades to the electrical and plumbing systems; replaces doors, windows, and siding. Site work includes landscaping, utility system upgrades, site lighting, playgrounds and sidewalks. (See separate DD Form 1391)		13,158
<u>ILLINOIS</u>		
CNB Great Lakes (H-1-88-7) This project revitalizes 102 enlisted homes in Forrestal Village. Work involves interior reconfigurations to enlarge the kitchen area and provide additional second floor closet space; renovation of kitchens and baths; add a half bath; replace floors; finish basement and create a separate laundry room; install HVAC system; reconfigure ductwork and add ceiling fans; add acoustic and attic insulation to improve energy efficiency; add structurally pitched roofs; upgrade electrical system; replace windows and interior doors; perform asbestos and lead-based paint abatement; relocate gas service and meters; construct garages and driveways; construct patios and add privacy fencing; install vapor barrier underneath homes, correct drainage problem and install additional landscaping; install interconnected hardwire smoke detectors; and install sprinkler systems in triplex and above buildings. (See separate DD Form 1391)		12,974

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<div style="text-align: right;">(\$000)</div> <div style="display: flex; justify-content: space-between;"> <div><u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u></div> <div><u>CURRENT WORKING ESTIMATE</u></div> </div> <div style="text-align: center; margin-top: 10px;"><u>INSIDE THE UNITED STATES</u></div> <div style="margin-top: 10px;"><u>INDIANA</u></div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>NSWC Crane (H-1-94)</div> <div>2,856</div> </div> <div style="margin-top: 10px;"> <p>This project revitalizes 31 enlisted and officer homes on-station. Work involves renovation of kitchens and baths. Replace HVAC system and reconfigure ductwork; upgrade electric service; install ceiling fans; provide exterior lighting; replace floors and exterior doors windows and trim, including garage doors; repair open cracks in stone and mortar joints; abate asbestos duct insulation and pipe wraps; upgrade site lighting; and provide tot lots for children. (See separate DD Form 1391)</p> </div> <div style="margin-top: 10px;"><u>MARYLAND</u></div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>USNA Annapolis (H-2-99-2)</div> <div>4,458</div> </div> <div style="margin-top: 10px;"> <p>This project revitalizes 85 enlisted homes in North Severn Village. This work includes renovation of the kitchens and baths. Replace electrical, plumbing, heating, air conditioning and hot water systems. Repair or replace interior doors and floors, and repair interior finishes. Replace the roof, chimney flue, flashing, soffitts, gutters and downspouts. Replace brick veneer with siding. Abate asbestos and lead-based paint where necessary. (See separate DD Form 1391)</p> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>USNA Annapolis (H-3-99)</div> <div>4,421</div> </div> <div style="margin-top: 10px;"> <p>This project revitalizes 80 enlisted and officer homes in Arundel Estates. The work includes bathroom and kitchen modernization, interior remodeling, roofing repairs, exterior repairs to gutters, downspouts and masonry. Provides repairs to mechanical/electrical systems. (See separate DD Form 1391)</p> </div>		

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>NEW JERSEY</u>		
NWS Earle (HC-01-00)		6,905
This project provides for whole house revitalization to 84 junior and senior enlisted and company grade officer units at NWS Earle. The work includes upgrading kitchens, electrical, plumbing and mechanical systems; structural, architectural and site improvements; construction of single car attached garages, and privacy fencing. (See separate DD Form 1391)		
<u>NORTH CAROLINA</u>		
MCAS Cherry Point (CP-H-9602-M2)		13,878
This project provides for whole house revitalization to 192 junior enlisted Wherry family housing units located at Hancock Village at MCAS Cherry Point. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural, architectural and site improvements; interior, exterior, and site repairs. (See separate DD Form 1391)		
MCB Camp Lejeune (LE-H-9902-R2)		3,229
This project provides for whole house revitalization to 58 officer family housing two story units with carports located at Paradise Point and Hospital Point at MCB Camp Lejeune. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural and architectural; interior and exterior repairs; removal of lead-based paint. (See separate DD Form 1391)		
MCB Camp Lejeune (LE-H-0004-R2)		16,487
This project provides for whole house revitalization to 205 junior enlisted Wherry family housing units located a Tarawa Terrace at MCB Camp Lejeune. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural,, architectural and site improvements, interior, exterior, and site repairs; and removal of lead-based paint. (See separate DD Form 1391)		

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>PENNSYLVANIA</u>		
NAS Willow Grove (H-8-93) This project revitalizes 6 enlisted homes in the MOQ area. Provides for the revitalization of kitchens and baths. Includes replacing flooring and doors and providing new interior finishes. This project upgrades the electrical system, replaces the heating and air conditioning, and removes asbestos and lead-based paint material. Exterior work includes new fascia, soffits and gutters. Site work includes replacing garages; repairs to streets, alleys, curbs, sidewalks, and parking areas. Provides landscaping, patios, privacy fences, and street lighting. Provide new laterals and relocate the secondary electrical distribution system. (See separate DD Form 1391)		614
<u>TEXAS</u>		
NAS Corpus Christi (H-1-96) This project revitalizes 100 enlisted homes in the King and Ocean Drive, and D and E street areas. Work involves renovation of kitchens and baths. Refinish ceilings; install carpet upstairs; refinish stair treads; relocate air conditioning condensers; reconfigure ductwork; update electrical wiring and associated equipment and fixtures; install ceiling fans; replace exterior doors and windows; replace exterior wood siding; replace carports; replace fences; resurface streets and install new striping; install interconnected hardwire smoke detectors; and install sprinkler systems in triplex and above buildings. (See separate DD Form 1391)		7,762
<u>VIRGINIA</u>		
PWC Norfolk (H-4-95-2) This project revitalizes 120 enlisted homes at Norwich Manor. This project includes revitalization of the kitchens and bathrooms. It also provides for new heating and air conditioning systems, and an upgraded electrical system; repair and replacement of interior floors and doors. Provide interior reconfiguration to better utilize existing space. Includes the replacement of windows, exterior doors and exterior lighting fixtures. Replace patio slab. Install privacy fencing and add a trash enclosure. Replace driveway. Provide new sidewalks, playgrounds, and landscaping. (See separate DD Form 1391)		8,227

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>INSIDE THE UNITED STATES</u>		
<u>WASHINGTON</u>		
NAS Whidbey (H-3-95-2) This project revitalizes 144 enlisted homes in the Crescent Capehart neighborhood. Work includes complete renovation of kitchens and baths; replacement of all windows, doors, floors, and light fixtures. Includes replacement of the roof, heating system, and window coverings. Abate asbestos and lead-based paint. Provides for repairs to the streets and sidewalks; includes landscaping and tot lots. (See separate DD Form 1391)		10,028
<u>WEST VIRGINIA</u>		
NSGA Sugar Grove (H-1-95) This project revitalizes 50 enlisted and officer on-station homes. Work involves renovation of kitchens and bathrooms; replacement of gutters, and downspouts; replacement of electrical wiring; relocation of trash enclosures/condensing units to the rear of the homes; replacement of exterior storage and trash enclosure doors; installation of covered patios; add front porches; and insulation of domestic hot water piping. Eight of the four bedroom homes will receive additional square footage to increase the size of the kitchen area and master bedroom. Twenty additional homes will be configured to allow for a larger kitchen area. Laundry area will be constructed on the side with storage facilities and the half bath will be relocated to the existing laundry. This project will also widen roadways; increase lighting level in the streets, open space areas and playgrounds; provide tot lots for the enlisted area; replace fencing; regrade fitness trail; provide street tree planting and upgrade landscape development. This project includes the adaptation of three homes to be handicapped accessible. (See separate DD Form 1391)		4,093



<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u> <u>OUTSIDE THE UNITED STATES</u>		(\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>ICELAND</u> NAS Keflavik (H-3-95) 2,931 This project converts 22 two bedroom homes into 10 enlisted four bedroom homes and adds two day rooms in Building 960 in the Upper Commissary neighborhood. The work includes the revitalization of kitchens and bathrooms with pressure regulated and utility conserving components. Replace plumbing and heating systems. Upgrade electrical system including outlets and lighting fixtures. Replace interior doors, floors, walls and ceilings throughout. Provide sound attenuation between homes. Expand storage. Provide washer and dryer hookups and new hot water systems. Provide sidewalks and new exterior lighting. (See separate DD Form 1391)		
<u>JAPAN</u> MCAS Iwakuni (IW-H-9502-R2) 444 Improvements to 88 three bedroom and 44 two bedroom enlisted units. Provides for carpeting and padding in all family housing living spaces, except the kitchen and bathrooms, which is required for sound reduction in three midrise (six story) buildings that have high density occupancy. Carpeting will also provide a non-skid surface for safety.		
PWC Yokosuka (H-13-95) 8,241 This project revitalizes 96 enlisted homes in Towers 1-2 in neighborhood #9. Project work includes the renovation of kitchens and bathrooms; provides new floors and the replacement of chilled/hot water piping.		
PWC Yokosuka (H-11-96-3) 3,790 This project revitalizes 81 enlisted and officer homes in the Negishi neighborhood. Work includes the revitalization of kitchens and baths. Restore all interior surfaces including new floors, lights, doors and walls. Provides for the replacement of domestic hot water lines.		

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
<b>4. PROJECT TITLE</b> FAMILY HOUSING IMPROVEMENTS		<b>5. PROJECT NUMBER</b>
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		((\$000) <u>CURRENT WORKING ESTIMATE</u>
<u>OUTSIDE THE UNITED STATES</u>		
<u>PUERTO RICO</u>		
NS Roosevelt Roads (H-3-95-2)		13,949
<p>This project revitalizes 196 enlisted homes in the Caribe Breeze neighborhood. This project includes the revitalization of kitchens and baths. Provide additions to four bedroom homes to create better eating, laundry, and storage space. Replace windows, floors and doors. Replace air conditioning; upgrade the electrical system and interior lighting. Remove asbestos from kitchen floor. Build a new carport and provide new exterior finishes and improved exterior lighting. Construct a new covered entry to the homes; in the rear of the homes provide a patio with privacy fencing. Provide site landscaping and improved drainage. Repair driveways, sidewalks, roads, and curbs. Repair utility transformers and water lines. Add recreational facilities. (See separate DD Form 1391)</p>		
NS Roosevelt Roads (H-4-95-2)		8,419
<p>This project revitalizes 97 officer homes in the Cascajo Point neighborhood. This work includes the revitalization of kitchens and baths. Includes interior reconfiguration to better utilize kitchen, laundry, and storage space. Provides an upgrade of electrical systems, and replacement of all windows, doors, and floors. Adds ceiling fans and exhaust fans. Provide new hot water heaters and a new roof. Add covered front entrances. Add patios, storage and privacy fencing to the rear of the homes. Site work includes new road paving and signs, exterior lighting, play areas, trails, landscaping and irrigation. (See separate DD Form 1391)</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR WEAPONS STATION CHINA LAKE, CA			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 86 HOMES, CAPEHART A (PHASE 2 OF 2)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-01-98-2	
<b>8. PROJECT COST (\$000)</b> \$ 6,773					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	86	78.8	6,773
Area Cost Factor = 1.29					
<b>10. Description of Proposed Construction</b> Work involves the complete revitalization of kitchen and baths. Provides improved circulation in the kitchen. Upgrade the electrical system. Replace heating and air conditioning. Replace the windows, doors, floors, and windows. Provide additional insulation. Replace roofs, gutters and downspouts. Renovate the garages to add storage. Replace siding and add structural integrity to resist seismic events. Remove asbestos and lead-based paint. Provide new patio slab with a sun cover and additional landscaping and improved irrigation.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 86 enlisted homes in the Capehart A neighborhood. These homes are wood frame duplexes built in 1961.  <u>REQUIREMENT:</u> These homes are over 30 years old and have never been revitalized. The homes are a maintenance liability and are energy inefficient. Asbestos and lead paint materials require removal.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION CHINA LAKE, CA		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 86 HOMES, CAPEHART A (PHASE 2 OF 2)		<b>5. PROJECT NUMBER</b> H-01-98-2
<p><u>CURRENT SITUATION:</u> The kitchen are small, old, and inefficient. Bathrooms are old and need to be updated. Plumbing fixtures require replacement. Flooring is old and in need of replacement. The wiring system is original two conductor type with no ground wire. There are no interior or exterior GFI receptacles in the homes. Lighting is incandescent and energy inefficient. Unsightly surface mounted telephone and cable TV wiring on exteriors, ungrounded at entry to homes. Cooling system is in poor condition with corrosion and scale buildup. Rooms furthest from the main duct runs have inadequate air distribution. Water system requires replacement due to age and mineral buildup; isolation valves around water heater are corroded. Piping is uninsulated and subject to severe temperature differentials. Water heaters are uninsulated, old, and require replacement. Windows are original single glazed, drafty, and in poor condition. Siding is a combination stucco and hardwood and is in poor condition. There is inadequate wall insulation. Interior flooring is old and in need of replacement. Roofs are flat to low slope, wood frames, plywood sheathed, with built-up roofing, possibly containing asbestos and in poor condition requiring extensive maintenance. Garage storage is inadequate and requires replacement and relocation. Exterior walls are inadequately braced for current lateral seismic load requirements. Fencing is chain link in poor condition. Concrete patio slabs are inadequately sized or non-existent. Entry porch walks and driveways are small and in poor condition. Yards lack landscaping.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this project the living conditions in these homes and the surrounding neighborhood will remain unsatisfactory because of the potential health hazards, the deteriorated condition of the homes, and the high operations and maintenance expenses.</p> <p><u>ADDITIONAL:</u> This project will eliminate life safety hazards, improve the energy efficiency of these homes, and reduce future maintenance expenses. This project is consistent with DOD housing standards and is supported by an economic and requirements analysis.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE SAN DIEGO, CA			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 324 HOMES, MURPHY CANYON (PHASE 3)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-61-98-3	
<b>8. PROJECT COST (\$000)</b> \$ 25,470					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	324	78.6	25,470
Area Cost Factor = 1.15					
<b>10. Description of Proposed Construction</b> <p>This project includes the revitalization of kitchens and baths. It includes the replacement of electrical and plumbing throughout; replacement of interior and exterior doors. Provide energy efficient windows, water heaters and new heating and air conditioning systems. This project includes the abatement of asbestos in ceilings and floor tiles. Install attic and wall insulation. Repair stucco. Replace garage doors. Provide additional sidewalks, upgrade patios and provide a cover; replace privacy fencing. Improve landscaping. Repair driveways and walks.</p>					
<b>11. REQUIREMENT:</b> <hr/> <p><b>PROJECT:</b> This project revitalizes 324 enlisted homes in Murphy Canyon. These homes are of frame construction ranging from single family to four-plex construction.</p> <p><b>REQUIREMENT:</b> These homes still retain the majority of their original components. The maintenance and utility costs of these homes are increasing and they do not meet current standards. This project will extend the life of the homes another 25 years.</p>					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE SAN DIEGO, CA		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 324 HOMES, MURPHY CANYON (PHASE 3)		<b>5. PROJECT NUMBER</b> H-61-98-3
<p><u>CURRENT SITUATION</u>: The kitchens are no longer functional because they are old and inefficient. Bathrooms have old components. The existing plumbing leaks creating maintenance expenses. The electrical system will be upgraded from the original wiring. The windows are old and energy inefficient. The heating and air conditioning systems for these homes need replacement. Water heaters are not mounted to meet seismic standards. Flooring throughout the homes needs replacing. New light fixtures are needed for kitchens and bathrooms. These homes lack sufficient insulation. The stucco is discolored. The site is dense and needs improvements to make it more livable. Ceilings have asbestos.</p> <p><u>IMPACT IF NOT PROVIDED</u>: These homes will remain costly to operate without this much needed work.</p> <p><u>ADDITIONAL</u>: This project will eliminate life safety hazards, improve the energy efficiency of these homes, and reduce future maintenance expenses. This project is consistent with DOD housing standards and is supported by an economic and requirements analysis.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL SUBMARINE BASE NEW LONDON, CT			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 72 HOMES, NAUTILUS PARK 2		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-12-92-1	
<b>8. PROJECT COST (\$000)</b> \$ 6,492					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	72	90.2	6,492
Area Cost Factor = 1.11					
<b>10. Description of Proposed Construction</b> Work includes complete revitalization of kitchens and baths. Includes the addition of a half bath or master bath. Provides for the replacement of windows, heaters and floors; replace electrical wiring. Replace carports with garages to include a laundry and storage area. Abate lead-based paint and asbestos. Replace roofs. Site work includes repair to the streets, sidewalks, water distribution, storm drainage, and sanitary sewer system.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 72 enlisted homes in the Nautilus Park 2 neighborhood. The homes are a mix of two and three bedroom duplex townhouse homes and four bedroom duplex rancher homes built in 1962.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL SUBMARINE BASE NEW LONDON, CT		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 72 HOMES, NAUTILUS PARK 2		<b>5. PROJECT NUMBER</b> H-12-92-1
<p><b>REQUIREMENT:</b> These homes have not been revitalized since they were built. Their maintenance and utility costs are increasing and they do not meet current standards. The homes are needed to support the families at this installation. This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities that can make Nautilus Park 2 a quality place to live. The work is required to extend the useful life of these homes by another 25 years.</p> <p><b>CURRENT SITUATION:</b> All components within the kitchens are deteriorated. The three bedroom homes need a master bath. The two bedroom junior enlisted homes need a half bath on the first floor. The boilers need to be replaced with low maintenance materials. Roofs are failing at an increasing rate, resulting in costly interim repairs through service calls, in addition to, accelerated damage to the homes and occupant property because of leaks. Windows and exterior doors have outlived their useful life and need to be replaced with low maintenance, energy efficient materials. The carports are not architecturally compatible with the homes and all need to be replaced with garages which have a laundry area and storage to the rear. The homes lack attractive and private patios. Hazardous materials are now present in the homes and will be removed and disposed of as part of the project. Some of the streets, sidewalks and utility systems are in need of repair.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Without correcting the roofing and electrical deficiencies, these homes will eventually become unsuitable for occupancy. Maintenance and operating costs will remain unacceptably high without this project.</p> <p><b>ADDITIONAL:</b> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate safety hazards.</p>		



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 68 HOMES, NCTAMS EASTPAC		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-2-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 6,703					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	68	98.6	6,703
Area Cost Factor = 1.45					
<b>10. Description of Proposed Construction</b> Work includes revitalizing kitchens and baths and interior modifications to better utilize existing space. In homes where there is none, add a family room, and lanai. Carports and exterior storage will be provided. The electrical system will be upgraded; insulated windows and window coverings will be installed. The plumbing system will be upgraded and water saving devices will be provided. In the neighborhood, landscaping, street lighting, entry courts, tot-lots, playgrounds and appropriate pathways will be provided.					
<b>11. REQUIREMENT:</b> <hr/> <u>PROJECT:</u> This project revitalizes 68 enlisted four-plex homes constructed in 1965.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. The work is required to extend the useful life of these homes by another 25 years.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 68 HOMES, NCTAMS EASTPAC		<b>5. PROJECT NUMBER</b> H-2-95-2
<p><u>CURRENT SITUATION:</u> These homes were built in 1965. The homes are a mix of two, three, and four bedroom and are designated for occupancy by enlisted personnel. There have been no major repairs or improvements on these homes in the last 25 years. Currently, these homes lack modern kitchen and bathroom features. Some types do not have master bedrooms or family rooms and as a result there is insufficient modern accommodations. There is no privacy in the yards. The electrical and plumbing systems are in poor condition and must be upgraded to current building codes. The homes do not have closet systems, gutters, and privacy fencing. The neighborhood lacks a pedestrian circulation system, a uniform landscaping theme and signage.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes do not meet current standards. The layout of the homes are not functionally arranged to properly accommodate the modern residential living needs of our military families. Therefore, quality of life, readiness, and morale will be severely impacted without improvement to these homes.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 54 HOMES, HOKULANI		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-1-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 5,726					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	54	106.0	5,726
Area Cost Factor = 1.45					
<b>10. Description of Proposed Construction</b> This project revitalizes 54 homes in the Hokulani neighborhood. Work includes the revitalization of kitchens and baths. Family rooms and master baths will be added to homes without them. The project adds air conditioning, upgrades the electrical , and plumbing systems, replaces doors, windows and siding. Site work includes landscaping, street lighting, upgrades to utility distribution, playgrounds and sidewalks.					
<b>11. REQUIREMENT:</b> <hr/> <u>PROJECT:</u> This project revitalizes 54 homes built in 1969.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. The work is required to extend the useful life of these homes by another 25 years.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 54 HOMES, HOKULANI		<b>5. PROJECT NUMBER</b> H-1-95-2
<p><u>CURRENT SITUATION:</u> These homes are a mix of two, three, and four bedroom units and are designated for occupancy by enlisted personnel. There have been no major repairs or improvements on these homes in the last 25 years. Currently, these homes lack modern kitchen and bathroom features. Some unit types do not have family rooms or master baths. The electrical and plumbing systems are in poor condition. The backyards lack privacy and storage. The neighborhood lacks landscaping, does not have a pedestrian circulation system and the utility distribution systems are unsightly.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes do not meet current standards. The layout of the homes are not functionally arranged to properly accommodate the modern residential living needs of our military families. The basic systems in these homes require upgrades before more costly, emergent repairs are required.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 32 HOMES, MAKALAPA		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-95-1	
<b>8. PROJECT COST (\$000)</b> \$ 3,942					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	32	123.2	3,942
Area Cost Factor = 1.45					
<b>10. Description of Proposed Construction</b> Work includes the complete renovation of kitchens and the installation of central air conditioning. Provides for upgrades to the electrical and plumbing systems and repairs the flooring. Adds electric meters. Mitigates asbestos and lead paint hazards and repairs termite damage. Adds privacy fencing.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 32 senior officer homes in the Makalapa housing area at Pearl Harbor. These single family and duplex homes were built in 1941 and 1950.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. The work is required to extend the useful life of these homes by another 25 years.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 32 HOMES, MAKALAPA		<b>5. PROJECT NUMBER</b> H-3-95-1
<p><u>CURRENT SITUATION:</u> These homes are a mix of two and three bedrooms and are designated for occupancy by senior officer personnel. There have been no major repairs or improvements on these homes in the last 25 years. The kitchens in these homes are old and in need of repairs and upgrades. These homes have inefficient window air conditioners which need replacing with central air conditioning. The electrical and plumbing systems are dated and need upgrades; the flooring in these homes is old and in need of replacement. Due to the age of these homes lead paint and asbestos are present. Termite damage affects some homes. The backyards of these homes lack privacy.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes are becoming unattractive and undesirable for Navy families. The basic systems in these homes require upgrades before more costly, emergent repairs are required. The utility costs and maintenance of these homes will continue to be uneconomical. The lead paint and asbestos will continue to pose potential hazards to the families.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate life safety hazards.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 103 HOMES, PEARL CITY PENINSULA, PHASE III		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-97	
<b>8. PROJECT COST (\$000)</b> \$ 13,158					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	103	127.7	13,158
Area Cost Factor = 1.45					
<b>10. Description of Proposed Construction</b> Work includes the revitalization of kitchens and baths. Includes upgrades to the electrical and plumbing systems; replaces doors, windows, and siding. Site work includes landscaping, utility system upgrades, site lighting, playgrounds and sidewalks.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 103 enlisted and officer homes in the Pearl City Peninsula housing area. These homes were constructed between 1965-1970.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. The work is required to extend the useful life of these homes by another 25 years.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE PEARL HARBOR, HI		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 103 HOMES, PEARL CITY PENINSULA, PHASE III		<b>5. PROJECT NUMBER</b> H-3-97
<p><u>CURRENT SITUATION:</u> These homes are a mix of two, three, and four bedroom and are designated for occupancy by enlisted and officer personnel. There have been no major repairs or improvements on these homes in the last 25 years. Currently, these homes lack modern kitchen and bathroom features. Some types do not have master bedrooms or family rooms and as a result there is insufficient modern accommodations. There is no privacy in the yards. The electrical and plumbing systems are in poor condition and must be upgraded to current building codes. The homes do not have closet systems, gutters, and privacy fencing. The neighborhood lacks a pedestrian circulation system, a uniform landscaping theme and signage.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes do not meet current standards. The layout of the homes are not functionally arranged to properly accommodate the modern residential living needs of our military families. Therefore, quality of life, readiness, and morale will be severely impacted without improvement to these homes.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE GREAT LAKES, IL			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 102 HOMES, FORRESTAL VILLAGE (PHASE 7)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-1-88-7	
				<b>8. PROJECT COST (\$000)</b> \$ 12,974	
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	102	127.2	12,974
Area Cost Factor = 1.26					
<b>10. Description of Proposed Construction</b> Work involves interior reconfigurations to enlarge the kitchen area and provide additional second floor closet space; complete renovation of kitchens and baths; add a half bath; remove asbestos floor tiles and replace with new floor covering; finish basement and create a separate laundry room; install HVAC system; reconfigure ductwork and add ceiling fans and foundation, acoustic and attic insulation to improve energy efficiency; add structurally pitched roofs; upgrade electrical system; replace windows and interior doors; perform asbestos and lead-based paint abatement; relocate gas service and meters; construct garages and driveways; construct patios and add privacy fencing; install vapor barrier underneath homes, correct drainage problem and install additional landscaping; install interconnected hardwire smoke detectors; and install sprinkler systems in triplex and above buildings.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 102 enlisted homes located in the Forrestal Village neighborhood. These homes are single, duplex, triplex and quadraplex family housing dwellings built in 1951, 1960 and 1965. These are three and four bedroom homes.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> COMNAVBASE GREAT LAKES, IL		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 102 HOMES, FORRESTAL VILLAGE (PHASE 7)		<b>5. PROJECT NUMBER</b> H-1-88-7
<p><u>REQUIREMENT:</u> These homes have not been revitalized since they were built. Due to the age and condition of the homes and their individual components, the maintenance and utility costs of these homes are unacceptably high. These homes do not meet current DOD standards for family housing. This project will extend the life of the homes another 25 years.</p> <p><u>CURRENT SITUATION:</u> All components within the kitchens and bathrooms are deteriorated and lack modern amenities. The kitchens have an inefficient, inconvenient, and unappealing layout. The absence of a half bathroom on the first floor of two-story homes does not conform to OSD criteria. Floor tiles are becoming brittle, thus further exposing asbestos to the occupants. The furnace is inefficient and is not conducive to efficient distribution of heat. There is no central air conditioning system. The homes are inadequately insulated. The laundry area is inconvenient. The roofs are failing. The electrical systems are original and do not conform to current electrical code. Windows are antiquated and not energy efficient. The continued presence of asbestos and lead based paint in these homes constitute an unacceptable environmental hazard. The gas service system and meters, interior doors, garages, and driveways are beyond economic repair. Open parking areas do not provide protection from snow and ice during winter. There is no privacy afforded to residents in the back of these homes. Drainage problems and lack of adequate landscaping are causing erosion in the yards, and create an uninviting visual image of the neighborhood.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes will continue to fall short of DOD housing standards. Families will continue to be dissatisfied with the condition of these homes. Operation and maintenance costs will continue to be unacceptably high.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs and eliminate safety hazards.</p>		



<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL SURFACE WARFARE CENTER CRANE, IN		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 31 HOMES, NSWC CRANE		<b>5. PROJECT NUMBER</b> H-1-94
<p><u>REQUIREMENT:</u> These homes have not been revitalized since they were built. Due to the age and condition of the homes and their individual components they do not meet DOD standards for family housing. This requirement is further augmented by Crane's isolated location and the lack of available community housing assets. This project will extend the life of the homes another 25 years.</p> <p><u>CURRENT SITUATION:</u> All components within the kitchen and bathrooms are deteriorated and lack modern amenities. Floor tiles are becoming brittle and breaking. Existing HVAC duct work is poorly configured and is not conducive to efficient distribution of heat and air conditioning. Lighting fixtures throughout are deteriorated and near the end of their useful life. The remote location of the activity requires upgraded exterior lighting systems for adequate security. Poor drainage around exterior of homes contributes to cracks at stone and mortar joints. Exterior doors, windows trim and garage doors are deteriorating. Asbestos exists on the HVAC duct work and pipe wrap. The dwelling homes and common areas lack adequate landscaping which creates an uninviting visual image of the neighborhood. Site lighting and recreation area are antiquated and inadequate.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes will continue to fall short of DOD standards. Families will continue to be dissatisfied with the condition of these homes. Operation and maintenance cost will continue to be unacceptably high.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate safety hazards.</p>		

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> UNITED STATES NAVAL ACADEMY ANNAPOLIS, MD			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 85 HOMES, NORTH SEVERN VILLAGE (PHASE 2)		
<b>5. PROGRAM ELEMENT</b> 0808742N	<b>6. CATEGORY CODE</b> 711	<b>7. PROJECT NUMBER</b> H-2-99-2	<b>8. PROJECT COST (\$000)</b> \$ 4,458		
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>	
WHOLE-HOUSE REVITALIZATION	EA	85	52.4	4,458	
Area Cost Factor = 0.87					
<b>10. Description of Proposed Construction</b> This work includes renovation of the kitchens and baths. Replace electrical, plumbing, heating, air conditioning and hot water systems. Repair or replace interior doors and floors, and repair interior finishes. Replace the roof, chimney flue, flashing, soffits, gutters and downspouts. Replace brick veneer with siding. Abate asbestos and lead-based paint where necessary.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 85 enlisted townhomes built between 1949 and 1956 in North Severn Village. These homes are located along Alden Road, Fig Court and Eucalyptus Court.  <u>REQUIREMENT:</u> Except for some minor work to the bathrooms, there has been no significant work performed on these homes in over 30 years.  <u>CURRENT SITUATION:</u> The kitchens and baths in these homes are old and unsightly. The electrical, plumbing, heating, air conditioning and hot water systems are old and need restoration or replacement. The floors, doors, and interior finishes are worn and need repair or replacement. The roof and associated components need replacement. Lead-based paint and asbestos are present in the dwelling and must be abated.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> UNITED STATES NAVAL ACADEMY ANNAPOLIS, MD		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 85 HOMES, NORTH SEVERN VILLAGE (PHASE 2)		<b>5. PROJECT NUMBER</b> H-2-99-2
<p><u>IMPACT IF NOT PROVIDED:</u> This work is needed to allow continued occupancy by families in a safe and pleasant environment.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate safety hazards.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> UNITED STATES NAVAL ACADEMY ANNAPOLIS, MD			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 80 HOMES, ARUNDEL ESTATES		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-99	
				<b>8. PROJECT COST (\$000)</b> \$ 4,421	
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	80	55.3	4,421
Area Cost Factor =0.87					
<b>10. Description of Proposed Construction</b> The work includes bathroom and kitchen modernization, interior remodeling, roofing repairs, exterior repairs to gutters, downspouts, masonry and repairs to mechanical/electrical systems.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 58 enlisted and 22 officer homes in the Arundel Estates neighborhood. These are townhome style homes built in 1965 of frame masonry.  <u>REQUIREMENT:</u> There has been no significant investment in these homes over the last 25-30 years.  <u>CURRENT SITUATION:</u> The kitchens and baths are outdated. The mechanical systems have far exceeded their useful life. Most of the homes have severe interior wall and paint problems, which includes extensive quantities of lead-based paint on interior walls and asbestos material on pipes, walls, ceilings, and tile mastic. The mechanical/electrical systems are original and are beyond their useful life. Structures are in need of repair and revitalization to bring them into conformance with contemporary standards for housing.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> UNITED STATES NAVAL ACADEMY ANNAPOLIS, MD		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 80 HOMES, ARUNDEL ESTATES		<b>5. PROJECT NUMBER</b> H-3-99
<p><u>IMPACT IF NOT PROVIDED:</u> Without significant treatment/investment, these homes will require increasing amounts of maintenance. Eventually, systems will fail. Families will be exposed to materials that contain asbestos and lead. Life safety code deficiencies will not be corrected. Deferral of required work will result in future accomplishment at higher costs when the work can no longer be postponed.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate safety hazards.</p>		



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL WEAPONS STATION, EARLE, NJ			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 84 HOMES, CHARLESWOOD HOUSING AREA (PHASE I OF III)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> HC-01-00 PH I	
				<b>8. PROJECT COST (\$000)</b> \$ 6,905	
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	84	82.2	6,905
Area Cost Factor = 1.15					
<b>10. Description of Proposed Construction</b> Work includes revitalizing kitchens and baths and interior modifications to better utilize existing space. Upgrade kitchen appliances, cabinets, and countertops. Upgrade electrical and mechanical systems, replace windows, doors and floors. Construct one story single car garage attached to the fronts of units. Replace concrete patios and walkways, replace exterior storage units, and abate units of lead and asbestos.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project will provide all necessary wholehouse/site improvements to family housing units at the Charleswood Housing Community at Naval Weapons Station Earle. This project is the first of three phases.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. The work is required to extend the useful life of these units by another 25 years.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL WEAPONS STATION EARLE, NJ		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 84 HOMES, CHARLESWOOD HOUSING AREA (PHASE I OF III)		<b>5. PROJECT NUMBER</b> H-01-00 PH I
<p><u>CURRENT SITUATION:</u> These two-story, two, three and four bedroom units were built in 1958. They are of brick masonry construction with a concrete slab on grade foundation. Windows are no longer energy efficient. The kitchen is inadequate in size and poorly designed. There is insufficient base and wall cabinet space. Countertops are in poor condition. Laundry area is small and has no doors to conceal appliances. Bathrooms have no vanities. Gas-fired forced air furnace and gas-fired water heater in fair condition. Asbestos flue piping and cap in fair condition. The units have no dishwashers or disposers. Faucets approaching end of useful life. Bathroom fixtures in poor condition. No downspout splash blocks. No kitchen exhaust hoods. Electrical service panels are inadequate for future wiring circuits. Inadequate number of dedicated circuits for kitchen appliances. No GFCI receptacles in the kitchen or baths.</p> <p>No exterior receptacles. Incandescent lighting in poor condition. Exposed exterior wiring, gas lines, telephone and cable outlets need to be replaced. The community lacks landscaping and quality site features including bus shelters and signs.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Repair and maintenance costs are increasing as the deterioration of various building components increase. Plumbing and electrical systems are becoming increasingly difficult to repair. Occupant attitudes will become increasingly more negative as the deterioration continues. Delay in project accomplishment only increases the maintenance/repair cost.</p>		

<b>1. COMPONENT</b> MARINE CORPS		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS AIR STATION CHERRY POINT, NC			<b>4. PROJECT TITLE</b> WHOLEHOUSE REVITALIZATION HANCOCK VILLAGE, PHASE I		
<b>5. PROGRAM ELEMENT</b> IMPROVEMENTS		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> CP-H-9602-M2	
				<b>8. PROJECT COST (\$000)</b> \$ 13,878.0	
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
FAMILY HOUSING REVITALIZATION		EA	192	72,281.25	13,878.0
Area Cost Factor = 0.92					
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>					
<p>This project provides for whole house revitalization to 192 junior enlisted Wherry family housing units located at Hancock Village at MCAS Cherry Point. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural, architectural and site improvements; and interior, exterior, and site repairs.</p>					
<b>11. REQUIREMENT:</b>					
<p><b>PROJECT:</b> This project provides whole house improvements and repairs to 192 junior enlisted Wherry units located in Hancock Village at MCAS Cherry Point. This project represents the first of two phases for the revitalization of this housing area.</p>					
<p><b>REQUIREMENT:</b> To extend the useful life of these Wherry units constructed in 1952. To improve quality of life for the occupants that live in these quarters, including amenities and support facilities by providing quarters that meet current standards of energy conservation, size, habitability, safety, and health.</p>					
<p><b>CURRENT SITUATION:</b> Lead based paint needs to be abated. Heating, Ventilation, and Air Conditioning units are old and inefficient. The electrical system does not meet the current National Electric Code. Lighting in many of the units is old, inefficient, and does not meet proper illumination levels for a residence. Deterioration of weather stripping and insulation has led to increased energy consumption. Kitchens and baths are antiquated and</p>					

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS AIR STATION CHERRY POINT, NC		
<b>4. PROJECT TITLE</b> IMPROVEMENTS		<b>5. PROJECT NUMBER</b> CP-H-9602-M2
<p><u>CURRENT SITUATION:</u> (continued)</p> <p>poorly configured. Cabinetry, doors, windows, and built in appliances are obsolete, badly worn, outdated, and/or no longer structurally sound or energy efficient. Units do not feature modern appliances, typically found in new construction, such as garbage disposals or dishwashers.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not implemented, habitability problems, caused by the lack of necessary modern-day amenities, will continue to negatively affect tenant morale. Maintenance and high energy costs will continue to increase. Uncorrected potential safety hazards and occupant dissatisfaction will continue to increase. Quality of life of military families will continue to decline.</p>		

<b>1. COMPONENT</b> MARINE CORPS		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS BASE CAMP LEJEUNE, NC			<b>4. PROJECT TITLE</b> RENOVATE TWO-STORY QUARTERS w/CARPORTS PARADISE POINT		
<b>5. PROGRAM ELEMENT</b> IMPROVEMENT		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> LE-H-9902-R2	
<b>8. PROJECT COST (\$000)</b> \$ 3,229.0					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
FAMILY HOUSING REVITALIZATION		EA	58	55,672.41	3,229.0
Area Cost Factor = 0.90					
<b>10. Description of Proposed Construction</b> <p>This project provides for whole house revitalization to 58 officer family housing Two Story units with carports located at Paradise Point and Hospital Point at MCB Camp Lejeune. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural and architectural; interior and exterior repairs; and removal of lead-based paint.</p> <p><b>11. REQUIREMENT:</b></p> <p><b>PROJECT:</b> This project encompasses whole house revitalization to 58 pre-1950 company grade officer units at Marine Corps Base, Camp Lejeune, NC.</p> <p><b>REQUIREMENT:</b> Replace failing mechanical and plumbing systems and appliances; make structural repairs; replace and upgrade outdated electrical systems and fixtures; redesign kitchen and bathroom layouts; replace kitchen cabinets; demolish plaster on interior walls and ceilings and replace with gypsum board; replace wood trim, doors, shelving, vanities and all lead-based paint coated wood surfaces throughout the interior; and remove lead-based paint and repair painted surfaces of porches.</p> <p><b>CURRENT SITUATION:</b> These units were constructed in 1947. Lead-based paint hazards need to be removed. Heating, Ventilation, and Air-Conditioning systems are old and inefficient. The electrical system does not meet the current National Electric Code. These units lack a modern kitchen area and are poorly designed. Light fixtures are old, outdated and inefficient. Bathroom fixtures and cabinets are outdated. Change of occupancy costs are excessive due to OSHA and EPA regulations concerning the handling and disposal of lead-based paint.</p>					

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS BASE CAMP LEJEUNE, NC		
<b>4. PROJECT TITLE</b> IMPROVEMENTS		<b>5. PROJECT NUMBER</b> LE-H-9902-R2
<p><u>IMPACT IF NOT PROVIDED:</u> Failure to authorize this project will result in the further deterioration and obsolescence of these units. Maintenance and high energy costs will continue to increase. Occupants will be at risk as deteriorating lead-based paint will result in lead-based paint hazards. Change of occupancy costs will continue to be excessive due to compliance with OSHA and EPA regulations associated with the handling and disposal of lead-based paint. Uncorrected potential safety hazards and occupant dissatisfaction will continue to increase. The morale and quality of life of military families will continue to decline.</p>		

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS BASE  CAMP LEJEUNE, NC		<b>4. PROJECT TITLE</b> WHOLEHOUSE REVITALIZATION, MULTIPLE UNITS TARAWA TERRACE, PHASE I			
<b>5. PROGRAM ELEMENT</b> IMPROVEMENT	<b>6. CATEGORY CODE</b> 711	<b>7. PROJECT NUMBER</b> LE-H-0004	<b>8. PROJECT COST (\$000)</b> \$ 16,487.0		
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>	
FAMILY HOUSING REVITALIZATION	EA	205	80,424.39	16,487.0	
Area Cost Factor = 0.90					
<b>10. Description of Proposed Construction</b> <p>This project provides for whole house revitalization to 205 junior enlisted Wherry family housing units located at Tarawa Terrace at MCB Camp Lejeune. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural, architectural and site improvements; and interior, exterior, and site repairs.</p> <p><b>11. REQUIREMENT:</b></p> <p><u>PROJECT:</u> This project encompasses whole house improvements and repairs to 205 junior enlisted Wherry units located at Tarawa Terrace at MCB Camp Lejeune. This project represents the first of multiple phases for the revitalization of this housing area.</p> <p><u>REQUIREMENT:</u> To extend the useful life of these Wherry units constructed in 1952. This project is required to upgrade the electrical, mechanical, plumbing systems, kitchen and bathroom cabinets, painting, floor finishes, exterior doors and windows. To improve quality of life for the occupants that live in these quarters, including amenities, and support facilities by providing quarters that meet current standards of energy conservation, size, habitability, safety, and health. Site requires upgrades to sewer laterals and drainage; streetlight replacement, construction of privacy fencing, tot lots, street furniture, and a basketball court.</p>					

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS BASE CAMP LEJEUNE, NC		
<b>4. PROJECT TITLE</b> IMPROVEMENTS		<b>5. PROJECT NUMBER</b> LE-H-0004-R2
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not implemented, habitability problems, caused by the lack of necessary modern-day amenities, will continue to negatively affect tenant morale and the Marine Corps' ability to retain trained Marines in an all volunteer force. Maintenance and high energy costs will continue to increase. Uncorrected potential safety hazards and occupant dissatisfaction will continue to increase. Quality of life of military families will continue to decline.</p>		



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION WILLOW GROVE, PA			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 6 MOQ HOMES		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-8-93	
<b>8. PROJECT COST (\$000)</b> \$ 614					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	6	102.3	614
Area Cost Factor = 1.05					
<b>10. Description of Proposed Construction</b> Provides for the revitalization of kitchens and baths. Includes replacing flooring and doors and providing new interior finishes. This project upgrades the electrical system, replaces the heating and air conditioning, and removes asbestos and lead-based paint material. Exterior work includes new fascia, soffits and gutters. Site work includes replacing garages; repairs to streets, alleys, curbs, sidewalks, and parking areas. Provides landscaping, patios, privacy fences, and street lighting. Provide new laterals and relocate the secondary electrical distribution system.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes six enlisted homes in the MOQ area which were acquired by the Navy in 1940.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION WILLOW GROVE, PA		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 6 MOQ HOMES		<b>5. PROJECT NUMBER</b> H-8-93
<p><u>REQUIREMENT:</u> The on base homes have had no significant revitalization done to them. The maintenance and utility costs for these homes are increasing. This project is required to correct deficiencies and modernize the homes as well as provide neighborhood amenities that can make this neighborhood a quality place to live. The work is required to extend the useful life of the homes by another 25 years.</p> <p><u>CURRENT SITUATION:</u> The kitchens in the on base homes and all of the bathrooms components are deteriorated and lack modern amenities. The garages are deteriorated and detract from the units and appearance of the site; the wood members are rotted, contain lead-based paint and asbestos; and need to be replaced. The fascia and soffits need to be replaced with low maintenance materials. The electrical systems are original and do not conform to current electrical codes. The boiler and air conditioning units are antiquated and need to be replaced with a new high efficiency systems. Interior finishes need to be revitalized. Hazardous materials are now present in the homes and will be removed and disposed of as part of the project. The homes lack attractive patios with privacy fences. Repairs are required to the streets, sidewalks, water and electrical distribution systems. The site lacks attractive landscaping.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes will not meet DOD standards. Quality of life, morale, readiness and retention will suffer. The electrical system deficiencies present a potentially hazardous condition.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes, reduce maintenance costs, and eliminate safety hazards.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION CORPUS CHRISTI, TX			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 100 HOMES, KING AND OCEAN DRIVE, D AND E STREET		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-1-96	
<b>8. PROJECT COST (\$000)</b> \$ 7,762					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	100	77.6	7,762
Area Cost Factor = 0.92					
<b>10. Description of Proposed Construction</b> Work involves renovation of kitchens and baths. Refinish ceilings; install carpet upstairs; refinish stair treads; relocate air conditioning condensers; reconfigure ductwork, update electrical wiring and associated equipment and fixtures; install ceiling fans; replace exterior doors and windows; replace exterior wood siding; replace carports; replace fences; resurface streets and install new striping; install interconnected hardwire smoke detectors; and install sprinkler systems in triplex and above buildings.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 100 enlisted homes located in the King Drive, Ocean Drive and D & E Street areas at Naval Air Station Corpus Christi, Texas. These homes were built in 1968, are wood on slab frame construction, and consist of two, three, and four bedroom homes.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION CORPUS CHRISTI, TX		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 100 HOMES, KING AND OCEAN DRIVE, D AND E STREET		<b>5. PROJECT NUMBER</b> H-1-96
<p><u>REQUIREMENT:</u> These homes have not been revitalized since they were built. Maintenance and utility costs for these homes continue to increase. These homes do not meet current DOD standards for family housing. This project will extend the life of the homes for another 25 years.</p> <p><u>CURRENT SITUATION:</u> Kitchens and bathrooms are beyond the point of being economical to repair. Ceilings have worn out, revealing construction deficiencies. Upstairs floors and stair treads are wearing out. Air conditioning condensers are in an undesirable location at the front entrance of the homes. Ductwork shows deficiencies. The electrical system does not conform to current electrical code. Ceiling fans are not present in homes. Exterior doors, windows and wood siding are not energy efficient and also continue to produce high maintenance costs. Carports are metal and deteriorated beyond the point of being economical to repair. Fences are not uniform in style and costly to maintain. Streets throughout the neighborhoods are deteriorated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes will not meet DOD standards. Our families will continue to be dissatisfied with the condition of these homes. Operation and maintenance costs will continue to be unacceptably high.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> PUBLIC WORKS CENTER NORFOLK, VA			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 120 HOMES, NORWICH MANOR (PHASE 2 OF 2)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-4-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 8,227					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	120	68.6	8,227
Area Cost Factor = 0.91					
<b>10. Description of Proposed Construction</b> This project includes revitalization of the kitchens and bathrooms. It also provides for new heating and air conditioning systems, and an upgraded electrical system; repair and replacement of interior floors and doors. Provide interior reconfiguration to better utilize existing space. Includes the replacement of windows, exterior doors and exterior lighting fixtures. Replace patio slab. Install privacy fencing and add a trash enclosure. Replace driveway. Provide new sidewalks, playgrounds, and landscaping.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 120 enlisted duplex homes in Norwich Manor. These are single story, three and four bedroom duplexes built in 1965 of wood construction with a concrete slab on grade foundation.  <u>REQUIREMENT:</u> This project is required to correct deficiencies and modernize these homes as well as provide neighborhood amenities. This project is the second of two phases.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> PUBLIC WORKS CENTER NORFOLK, VA		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 120 HOMES, NORWICH MANOR (PHASE 2 OF 2)		<b>5. PROJECT NUMBER</b> H-4-95-2
<p><u>CURRENT SITUATION:</u> The kitchen is small and poorly designed. The bathrooms are outdated. The interior and exterior doors are old and present security and safety problems. Windows are no longer energy efficient. Hardwood floors are worn and stained. Laundry area is small and has no doors to conceal appliances. Electrical service panels are inadequate for future wiring circuits. The community lacks landscaping and quality site features including bus shelters and signs.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Repair and maintenance costs are increasing as the deterioration of various building components increase. Plumbing and electrical systems are becoming increasingly difficult to repair without major demolition of walls and ceilings. Delay in project accomplishment will increase the maintenance/repair cost.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VA			<b>4. PROJECT TITLE</b> WHOLE HOUSE REVITALIZATION, THOMASON PARK, PHASE I		
<b>5. PROGRAM ELEMENT</b> IMPROVEMENTS	<b>6. CATEGORY CODE</b> 711	<b>7. PROJECT NUMBER</b> QU-H-9901-M2		<b>8. PROJECT COST (\$000)</b> \$ 16,487.0	
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>	
FAMILY HOUSING REVITALIZATION	EA	205	81,618.81	16,487.0	
Area Cost Factor = 0.96					
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> This project provides for whole house revitalization to 205 junior enlisted Wherry family housing units located at Thomason Park at MCCDC Quantico. The work includes upgrading fixtures and electrical, plumbing and mechanical systems; structural, architectural and site improvements; interior, exterior, and site repairs, and fire suppression systems.					
<b>11. REQUIREMENT:</b>  <b>PROJECT:</b> This project encompasses wholesite repairs and revitalization to 205 Wherry family housing units located at Marine Corps Combat Development Center, Quantico, VA. This is the first of two phases for the revitalization of this housing area.  <b>REQUIREMENT:</b> Replace failing mechanical and plumbing systems and appliances; make structural repairs; replace and upgrade outdated electrical system and fixtures; redesign kitchen and bathroom layouts; replace kitchen cabinets; repair spalling brick, mortar joint deterioration and chipping; replace exterior plywood, vinyl, asbestos-cement, and masonite siding and associated trim and soffit; modify existing concrete stoops; upgrade and unify exterior facades; install fire suppression systems; and provide for erosion and drainage control.  <b>CURRENT SITUATION:</b> These Wherry units were constructed in 1952. Heating, Ventilation, and Air Conditioning system is in poor condition, and in need of replacement to include all supply and return duct work. Plumbing system is in poor condition and no longer meets code requirements. Electrical systems are outdated, in fair to poor condition, and in need of upgrade to modern standards. Structural failure has caused replacement					

<b>1. COMPONENT</b> MARINE CORPS	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VA		
<b>4. PROJECT TITLE</b> IMPROVEMENTS		<b>5. PROJECT NUMBER</b> QU-H-9901-M2

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CURRENT SITUATION: (continued)

of many super structure components. Throughout the project there are areas of brick spalling, mortar joint deterioration and general chipping and breaking of brick corners. Exterior siding materials are damaged in several areas. Over a quarter of the trim is beyond repair and needs to be replaced. Soffit vent screens are damaged or missing. Approximately 75 percent of brick vents are damaged, missing, or bricked up. Storm runoff is ponding in yards and on sidewalks of many homes. Hillsides are eroded and gullies forming. Front and rear of units require landscaping and planting, grading, etc.

IMPACT IF NOT PROVIDED: Failure to authorize this project will result in the further deterioration and obsolescence of these units. Siding leaks will continue to result in structural decay and damage to occupants' belongings. Kitchens and bathrooms will remain deteriorated and outmoded. High energy use, excessive maintenance efforts, uncorrected potential safety hazards, and occupant dissatisfaction will continue to increase. Additionally, the morale and quality of life of military families will continue to decline.



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION WHIDBEY ISLAND, WA			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 144 HOMES, CRESCENT CAPEHART		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 10,028					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	144	69.6	10,028
Area Cost Factor = 1.09					
<b>10. Description of Proposed Construction</b> This project encompasses wholesite repairs and revitalization to 144 enlisted capehart units at NAS Whidbey Island. Test for lead based paint and asbestos and abate or encapsulate as required. Work includes complete renovation of kitchens to include replacement of kitchen cabinets, countertops, sinks, and range hoods. Replacement of all interior/exterior doors and hardware and replacement of all floor covering, vinyl in the kitchen/baths and carpeting throughout the rest of the unit. Replace all bathtubs, sinks, and medicine cabinets, faucets and bath accessories. Replace all light fixtures. Remove all existing windows and replace with thermal efficient windows. Replace all electric baseboard heaters. Completely point the interior of the unit and replace window coverings.					
<b>11. REQUIREMENT:</b> <b>PROJECT:</b> This project is required to correct health and safety deficiencies and to update and visually modernize these homes.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION WHIDBEY ISLAND, WA		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 144 HOMES, CRESCENT CAPEHART		<b>5. PROJECT NUMBER</b> H-3-95-2
<p><u><b>REQUIREMENT:</b></u> These units were constructed in 1960 and lack many of the amenities found in comparable Navy or private sector housing. The work will include replacement of all existing wiring and upgrading to current electrical code. Replacement of all lighting fixtures with new energy efficient fixtures. Install overhead light fixtures in all bedrooms where currently none exist. Install new exterior siding and insulation to reduce maintenance costs. Replace all entry doors with energy efficient/positive seal doors to reduce energy consumption. Replace all storm doors and screens and install new locksets and deadbolts with removable cores. Replace all kitchen cabinets, countertops, sinks, flooring, light fixtures, and outlets. Replace closet/pantry doors which are accordion type, easily damaged, and expensive to repair. Provide a dishwasher in each unit. Replace all tubs, sinks and toilets, and bath fixtures. Repair dry rot damage and install vinyl flooring in the kitchen and baths. Carpet all living areas in the unit, excluding baths and kitchen. Upgrade ceiling insulation in all units and prep and paint all interior surfaces. Enclose the carport and provide a storage shed on the rear of the carport for trash and recycling containers. Provide small entry porch and add limited concrete walkway. Provide lighted address sign on each residence and security lighting for each unit. Install curbs and gutter in the area and provide entry signage for the housing area.</p> <p><u><b>CURRENT SITUATION:</b></u> These units were constructed in the 1960's and lack the amenities found in today's homes. The existing wiring is over 35 years old and unsuited for the demands of today's modern appliances. The existing lighting fixtures are small and energy inefficient. The T-111 wood siding is weathered and water damaged increases the amount of maintenance required. The exterior doors are worn and damaged, sticking doors are common making it difficult to open/close them. The kitchen cabinets are marred and worn and the countertops are scratched. The floors throughout the units are badly worn and marred and have been repaired with mismatched tiles over the years. Bathroom fixtures, including tubs, sinks, toilets, and medicine cabinets are scratched, stained, and worn from over thirty-five years of use. The existing windows are aluminum framed, single pane, and the meeting of warm interior air and cold air through the windows causes condensation to form on the glass and sash causing water to stand on the window sills and run down the walls causing damage and dryrot to the sections below. The closet doors are metal and are bent and damaged and no longer work properly. The units have insufficient exterior storage for personal items, trash and recycling containers. Front and sides of the units require landscaping. There are no existing curbs, gutters or sidewalks forcing residents to utilize the street for walkways. Children are also forced to ride their bikes on the street. The playground equipment is unsafe and in need of replacement.</p> <p><u><b>IMPACT IF NOT PROVIDED:</b></u> The condition of the units will continue to deteriorate. As a result of advanced deterioration, maintenance costs will continue to escalate year after year. Inability to secure the residents personal items in lockable storage will continue to pose a security problem. Energy costs will be higher due to the condition of the window, doors, siding, and lack of adequate insulation. Lack of amenities, including adequate storage will adversely affect the morale of the military residents.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL SECURITY GROUP ACTIVITY SUGAR GROVE, WV			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 50 HOMES, ON-STATION		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-1-95	
<b>8. PROJECT COST (\$000)</b> \$ 4,093					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	50	81.9	4,093
Area Cost Factor = 1.40					
<b>10. Description of Proposed Construction</b> Work involves renovation of kitchens and bathrooms; replacement of gutters, and downspouts; replacement of electrical wiring; relocation of trash enclosures/condensing units to the rear of the homes; replacement of exterior storage and trash enclosure doors; installation of covered patios; add front porches; and insulation of domestic hot water piping. Eight of the four bedroom homes will receive additional square footage to increase the size of the kitchen area and master bedroom. Twenty additional homes will be configured to allow for a larger kitchen area. Laundry area will be constructed on the side with storage facilities and the half bath will be relocated to the existing laundry. This project will also widen roadways; increase lighting level in the streets; provide open space areas and playgrounds; replace fencing; regrade fitness trail; provide street tree planting and upgrade landscape development. This project includes the adaptation of three homes to be handicapped accessible.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 46 enlisted and 4 officer homes of duplex and townhomes style built on-station between 1968-1972. These homes are predominately concrete masonry homes.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL SECURITY GROUP ACTIVITY SUGAR GROVE, WV		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 50 HOMES, ON-STATION		<b>5. PROJECT NUMBER</b> H-1-95
<p><u>REQUIREMENT:</u> These homes have not been revitalized since they were built. The maintenance and utility costs of these homes are increasing and they do not meet current standards. This project will extend the life of the homes another 25 years.</p> <p><u>CURRENT SITUATION:</u> The homes have not received a whole-house renovation and all of the homes show signs of age and usage which is a result of frequent turnover. The kitchens lack modern amenities and an eat-in space commonly found in comparable Navy or private sector housing. The baths need revitalization. The insulation around the pipes is not sufficient for the weather conditions and is in need of repair. The floor plans need to be reconfigured to maximize the use of available space. The doors throughout the homes are in poor condition. There are insufficient sidewalks through the areas and the concrete and pavement are deteriorated. Uneven, cracked sidewalks and potholes in the streets are common place and pose a safety hazard. Insufficient lighting also poses a safety threat. The drainage and erosion problems are unsightly and are a hazard for the occupants.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These homes will not meet DOD standards. Quality of life, morale, readiness, and retention will be adversely affected. Without revitalization the homes will continue to deteriorate and eventually be unsuitable for occupancy.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION KEFLAVIK, IC			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION 10 HOMES, UPPER COMMISSARY, BLDG, 960		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-95	
<b>8. PROJECT COST (\$000)</b> \$ 2,931					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	10	293.1	2,931
Area Cost Factor = 3.20					
<b>10. Description of Proposed Construction</b> The work includes the revitalization of kitchens and bathrooms with pressure regulated and utility conserving components. Replace plumbing and heating systems. Upgrade electrical system including outlets and lighting fixtures. Replace interior doors, floors, walls and ceilings throughout. Provide sound attenuation between homes. Expand storage and create 2 dayrooms. Provide washer and dryer hookups and new hot water systems. Provide sidewalks and new exterior lighting.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project converts 22 two bedroom homes into 10 four bedroom homes and adds 2 dayrooms. This housing is for enlisted personnel in the Upper Commissary area. These are concrete homes with metal roofs built in 1969.  <u>REQUIREMENT:</u> This project corrects all deficiencies in these homes and creates additional four bedroom homes.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL AIR STATION KEFLAVIK, IC		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION 10 HOMES, UPPER COMMISSARY, BLDG, 960		<b>5. PROJECT NUMBER</b> H-3-95
<p><u>CURRENT SITUATION:</u> The kitchens and baths are outdated and worn out. The plumbing and heating systems are starting to fail. The floors and doors are worn and need replacing. The hot water heating system needs replacement. The walls and ceiling are deteriorated and need replacement. The electrical system is substandard. There is insufficient sound attenuation between homes. Storage and laundry access are limited. Dayroom and community areas are absent in these housing areas and are much needed due to the long winters spent indoors. The sidewalks and exterior lighting do not meet needs during the winter.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance costs are growing as the home components age. Plumbing is a particular problem. The work is need to modify these homes to meet the unique local conditions of living in Iceland.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL STATION ROOSEVELT ROADS, PR			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 196 HOMES, CARIBE BREEZE (PHASE 2)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-3-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 13,949					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	196	71.2	13,949
Area Cost Factor = 1.05					
<b>10. Description of Proposed Construction</b> <p>This project includes the revitalization of kitchens and baths. Provide additions to four bedroom homes to create better eating, laundry, and storage space. Replace windows, floors and doors. Replace air conditioning; upgrade the electrical system and interior lighting. Remove asbestos from kitchen floor. Build a new carport and provide new exterior finishes and improved exterior lighting. Construct a new covered entry to the homes; in the rear of the homes provide a patio with privacy fencing. Provide site landscaping. Provide site landscaping and improved drainage. Repair driveways, sidewalks, roads, and curbs. Repair utility transformers and water lines. Add recreational facilities.</p>					
<b>11. REQUIREMENT:</b>  <p><u>PROJECT:</u> This project revitalizes 196 enlisted homes in the Caribe Breeze housing neighborhood. These homes are duplexes and four-plexes built of reinforced concrete masonry.</p> <p><u>REQUIREMENT:</u> This project will provide all necessary wholehouse repairs and improvements to 196 enlisted homes to correct all major architectural, mechanical, and electrical deficiencies as well as provide homes that are energy efficient with a quality supporting infrastructure.</p>					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL STATION ROOSEVELT ROADS, PR		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 196 HOMES, CARIBE BREEZE (PHASE 2)		<b>5. PROJECT NUMBER</b> H-3-95-2
<p><u>CURRENT SITUATION</u>: Only minor work has been accomplished on these homes since they were built. The kitchens and baths need revitalization. The floors, doors and the electrical system are below standards. Windows and the air conditioning system needs replacement. Floor tiles have asbestos that needs to be abated. The homes lack a covered entry and a private patio area. The landscaping is sparse and drainage is poor. Site utilities need upgrades. The paved circulation system is deteriorated and needs repair. Recreational facilities are insufficient for the demand.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Repair and maintenance costs are increasing as the deterioration of various building components increase. The homes will not meet the acceptable standards of living with respect to efficiency, convenience and design standards.</p> <p><u>ADDITIONAL</u>: This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		



<b>1. COMPONENT</b> NAVY		<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL STATION ROOSEVELT ROADS, PR			<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 97 HOMES, CASCAJO POINT (PHASE 2)		
<b>5. PROGRAM ELEMENT</b> 0808742N		<b>6. CATEGORY CODE</b> 711		<b>7. PROJECT NUMBER</b> H-4-95-2	
<b>8. PROJECT COST (\$000)</b> \$ 8,419					
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>		<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
WHOLE-HOUSE REVITALIZATION		EA	97	86.8	8,419
Area Cost Factor =1.05					
<b>10. Description of Proposed Construction</b> This work includes the revitalization of kitchens and baths. Includes interior reconfiguration to better utilize kitchen, laundry, and storage space. Provides an upgrade of electrical systems, and replacement of all windows, doors, and floors. Adds ceiling fans and exhaust fans. Provide new hot water heaters and a new roof. Add covered front entrances. Add patios, storage, and privacy fencing to the rear of the homes. Site work includes new road paving and signs, exterior lighting, play areas, trails, landscaping and irrigation. Provide fencing add exterior storage.					
<b>11. REQUIREMENT:</b>  <u>PROJECT:</u> This project revitalizes 97 officer homes built in 1959. These are concrete masonry single family homes of two, three and four bedrooms in the Cascajo Point neighborhood.  <u>REQUIREMENT:</u> Only minor interior and exterior work has been performed on these homes since they were built. This work is necessary to meet DOD standards and to improve the quality of living conditions.					

<b>1. COMPONENT</b> NAVY	<b>FY 1999 MILITARY CONSTRUCTION PROJECT DATA</b>	<b>2. DATE</b>
<b>3. INSTALLATION AND LOCATION</b> NAVAL STATION ROOSEVELT ROADS, PR		
<b>4. PROJECT TITLE</b> WHOLE-HOUSE REVITALIZATION OF 97 HOMES, CASCAJO POINT (PHASE 2)		<b>5. PROJECT NUMBER</b> H-4-95-2
<p><u>CURRENT SITUATION:</u> These homes have outdated kitchens and baths. The layout of these units is inefficient and lacks storage and laundry space. The doors, floors and windows are all past their normal life expectancy. The roof and exterior need upgrade to protect the home and improve the exterior appearance. The rear of the homes lack outdoor living areas or privacy. The landscaping is poor. The circulation system in the neighborhood is old and inefficient. Walkways are insufficient and children lack play areas. The absence of crosswalks, signs and paths to connect pedestrian traffic are drawbacks to this neighborhood.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Repair and maintenance costs are increasing as the deterioration of various building components increase. Further delays to the repairs of the homes may lead to further deterioration of unit components. The homes will not meet DoD standards; morale and retention will be adversely impacted.</p> <p><u>ADDITIONAL:</u> This project is consistent with DOD housing standards and is supported by an economic and requirements analysis. This project will improve the energy efficiency of these homes and reduce maintenance costs.</p>		

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET ESTIMATE  
ADVANCE PLANNING AND DESIGN

(In Thousands)

FY 1999 Program \$15,618

FY 1998 Program \$15,100

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports, and final design drawings for construction projects (authorized or not yet authorized). This includes the use of architectural and engineering services in connection with any family housing new construction or construction improvements.

Program Summary

The amount requested will enable full execution of the construction program. Authorization is requested for appropriation of \$15,618,000 to fund new construction and improvements design requirements.

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**DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 1999 BUDGET  
OPERATIONS AND MAINTENANCE**

( \$000 )  
FY 1999 Program \$827,939  
FY 1998 Program \$873,208

**Program Summary**

Authorization is requested for appropriation of \$847,801,000. This amount together with estimated reimbursements of \$21,368,000 will fund the Fiscal Year 1999 program of \$869,169,000.

A summary of the funding program for Fiscal Year 1999 follows:

	<u>Appropriation Request</u>					<u>Total</u>
	<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>Reimbursements</u>	<u>Program</u>
NAVY	\$151,439	\$146,991	\$365,490	\$663,920	\$18,368	\$682,288
MARINE CORPS	<u>\$32,213</u>	<u>\$41,996</u>	<u>\$68,442</u>	<u>\$142,651</u>	<u>\$3,000</u>	<u>\$145,651</u>
<b>TOTAL DON</b>	<b>\$183,652</b>	<b>\$188,987</b>	<b>\$433,932</b>	<b>\$806,571</b>	<b>\$21,368</b>	<b>\$827,939</b>

**JUSTIFICATION (NAVY):**

The Fiscal Year 1999 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

A reconciliation of estimates provided for each program element follows.

FAMILY HOUSING, NAVY

FY 1999

REPROGRAMMING AND PROPOSED FUNDING ALIGNMENT

(\$000)

<u>ACCOUNT/SUB</u>	<u>FY 1998</u>	<u>REASON ACTION TAKEN/PROPOSED</u>
MANAGEMENT	\$0	None anticipated.
SERVICES	\$0	None anticipated.
FURNISHINGS	\$0	None anticipated.
MISCELLANEOUS	\$0	None anticipated.
UTILITIES	\$0	None anticipated.
LEASING	\$0	None anticipated.
MAINTENANCE	\$0	None anticipated.



FAMILY HOUSING, NAVY

FY 1999

REPROGRAMMING AND PROPOSED FUNDING ALIGNMENT

(\$000)

<u>ACCOUNT/SUB</u>	<u>FY 1999</u>	<u>REASON ACTION TAKEN/PROPOSED</u>
MANAGEMENT	\$0	None anticipated.
SERVICES	\$0	None anticipated.
FURNISHINGS	\$0	None anticipated.
MISCELLANEOUS	\$0	None anticipated.
UTILITIES	\$0	None anticipated.
LEASING	\$0	None anticipated.
MAINTENANCE	\$0	None anticipated.

FAMILY HOUSING, MARINE CORPS

FY 1999

REPROGRAMMING AND PROPOSED FUNDING ALIGNMENT

(\$000)

<u>ACCOUNT/SUB</u>	<u>FY 1998</u>	<u>REASON ACTION TAKEN/PROPOSED</u>
MANAGEMENT	\$0	None anticipated.
SERVICES	\$0	None anticipated.
FURNISHINGS	\$0	None anticipated.
UTILITIES	\$0	None anticipated.
LEASING	\$0	None anticipated.
MAINTENANCE	\$0	None anticipated.

FAMILY HOUSING, MARINE CORPS

FY 1999

REPROGRAMMING AND PROPOSED FUNDING ALIGNMENT

(\$000)

<u>ACCOUNT/SUB</u>	<u>FY 1999</u>	<u>REASON ACTION TAKEN/PROPOSED</u>
MANAGEMENT	\$0	None anticipated.
SERVICES	\$0	None anticipated.
FURNISHINGS	\$0	None anticipated.
UTILITIES	\$0	None anticipated.
LEASING	\$0	None anticipated.
MAINTENANCE	\$0	None anticipated.

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY AND MARINE CORPS  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - WORLDWIDE

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	95,453		93,920		87,745	
Units at End of Year	93,920		87,745		85,708	
Average Inventory for Year	94,687		90,833		86,727	
Requiring O&M Funding						
a. Conterminous U.S.	72,732		69,475		65,917	
b. U.S. Overseas	13,477		14,192		14,874	
c. Foreign	8,478		7,166		5,936	
d. Worldwide	94,687		90,833		86,727	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	88,707	937	87,731	966	85,331	984
(2) Services	67,413	712	66,968	737	64,829	748
(3) Furnishings	34,621	366	34,211	377	33,199	383
(4) Miscellaneous	1,290	14	806	9	293	3
Subtotal Direct Obligations	192,031	2,028	189,716	2,089	183,652	2,118
Anticipated Reimbursements	5,411	57	5,682	63	5,701	66
Estimated Gross Obligations	197,442	2,085	195,398	2,151	189,353	2,183
2. UTILITIES	204,967	2,165	199,776	2,199	188,987	2,179
Anticipated Reimbursements	5,602	59	5,344	59	5,364	62
Estimated Gross Obligations	210,569	2,224	205,120	2,258	194,351	2,241
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	430,154	4,543	388,649	4,279	359,148	4,141
b. Exterior Utilities	30,197	319	27,220	300	25,090	289
c. Maintenance & Repair of Other	43,556	460	35,494	391	39,586	456
Real Property						
d. Alterations and Additions	12,047	127	11,064	122	10,108	117
Subtotal Direct Obligations	515,954	5,449	462,427	5,091	433,932	5,003
Anticipated Reimbursements	10,199	108	10,263	113	10,303	119
Estimated Gross Obligations	526,153	5,557	472,690	5,204	444,235	5,122
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>912,952</b>	<b>9,642</b>	<b>851,919</b>	<b>9,379</b>	<b>806,571</b>	<b>9,300</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	21,212	224	21,289	234	21,368	246
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>934,164</b>	<b>9,866</b>	<b>873,208</b>	<b>9,613</b>	<b>827,939</b>	<b>9,546</b>

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - WORLDWIDE

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units In Beginning of Year	70,330		68,343		62,020	
Units at End of Year	68,343		62,020		61,826	
Average Inventory for Year	69,337		65,182		61,923	
Requiring O&M Funding						
a. Conterminous U.S.	50,105		46,638		44,020	
b. U.S. Overseas	11,290		11,914		12,569	
c. Foreign	7,942		6,630		5,334	
d. Worldwide	69,337		65,182		61,923	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
<b>1. OPERATIONS</b>						
a. Operating Expenses						
(1) Management	74,077	1,068	73,666	1,130	70,766	1,143
(2) Services	53,018	765	52,206	801	50,283	812
(3) Furnishings	31,573	455	31,091	477	30,097	486
(4) Miscellaneous	1,290	19	806	12	293	5
Subtotal Direct Obligations	159,958	2,307	157,769	2,420	151,439	2,446
Anticipated Reimbursements	4,002	58	4,282	66	4,301	69
Estimated Gross Obligation	163,960	2,365	162,051	2,486	155,740	2,515
<b>2. UTILITIES</b>	163,018	2,351	158,572	2,433	146,991	2,374
Anticipated Reimbursements	4,433	64	4,744	73	4,764	77
Estimated Gross Obligations	167,451	2,415	163,316	2,506	151,755	2,451
<b>3. MAINTENANCE</b>						
a. Maintenance & Repair of Dwellings	366,719	5,289	333,446	5,116	304,483	4,917
b. Exterior Utilities	29,497	425	26,820	411	24,490	395
c. Maintenance & Repair of Other	32,271	465	29,221	448	26,684	431
Real Property						
d. Alterations and Additions	11,768	170	10,809	166	9,833	159
Subtotal Direct Obligations	440,255	6,350	400,296	6,141	365,490	5,902
Anticipated Reimbursements	8,659	125	9,263	142	9,303	150
Estimated Gross Obligations	448,914	6,474	409,559	6,283	374,793	6,053
<b>4. GRAND TOTAL, O&amp;M - Direct Obligations</b>	763,231	11,008	716,637	10,994	663,920	10,722
<b>5. GRAND TOTAL -</b>						
Anticipated Reimbursements	17,094	247	18,289	281	18,368	297
<b>7. GRAND TOTAL, O&amp;M - Gross Obligations</b>	780,325	11,254	734,926	11,275	682,288	11,019

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - CONUS

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	51,159		49,051		44,225	
Units at End of Year	49,051		44,225		43,815	
Average Inventory for Year	50,105		46,638		44,020	
Requiring O&M Funding						
a. Conterminous U.S.	50,105		46,638		44,020	
b. U.S. Overseas	0		0		0	
c. Foreign	0		0		0	
d. Worldwide	50,105		46,638		44,020	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	53,641	1,071	53,040	1,137	50,952	1,157
(2) Services	30,380	606	29,757	638	28,662	651
(3) Furnishings	10,211	204	9,949	213	9,631	219
(4) Miscellaneous	964	19	604	13	220	5
Subtotal Direct Obligations	95,196	1,900	93,350	2,002	89,465	2,032
Anticipated Reimbursements	3,192	64	3,426	73	3,441	78
Estimated Gross Obligations	98,388	1,964	96,776	2,075	92,906	2,111
2. UTILITIES	97,485	1,920	93,557	2,006	85,255	1,937
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	97,485	1,920	93,557	2,006	85,255	1,937
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	232,442	4,639	210,071	4,504	191,824	4,358
b. Exterior Utilities	11,006	220	9,923	213	9,061	206
c. Maintenance & Repair of Other	24,214	483	21,916	470	20,013	455
Real Property						0
d. Alterations and Additions	9,991	199	9,189	197	8,358	190
Subtotal Direct Obligations	277,653	5,541	251,099	5,384	229,257	5,208
Anticipated Reimbursements	6,406	128	6,855	147	6,884	156
Estimated Gross Obligations	284,059	5,669	257,954	5,531	236,141	5,364
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>470,334</b>	<b>9,361</b>	<b>438,006</b>	<b>9,392</b>	<b>403,976</b>	<b>9,177</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	9,598	192	10,280	220	10,325	235
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>479,932</b>	<b>9,553</b>	<b>448,286</b>	<b>9,612</b>	<b>414,301</b>	<b>9,412</b>

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - US OVERSEAS

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	11,402		11,178		10,603	
Units at End of Year	11,178		10,603		10,696	
Average Inventory for Year	11,290		10,891		10,650	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	11,290		11,914		12,569	
c. Foreign	0		0		0	
d. Worldwide	11,290		11,914		12,569	
	((\$000))	Unit Cost	Total (\$000)	Unit Cost	Total (\$000)	Unit Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	9,475	839	9,577	804	9,195	732
(2) Services	16,866	1,494	16,706	1,402	16,089	1,280
(3) Furnishings	13,578	1,203	13,369	1,122	12,942	1,030
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	39,919	3,536	39,652	3,328	38,226	3,041
Anticipated Reimbursements	683	60	728	61	731	58
Estimated Gross Obligations	40,602	3,596	40,380	3,389	38,957	3,099
2. UTILITIES	43,363	3,841	42,815	3,594	38,218	3,041
Anticipated Reimbursements	443	39	474	40	476	38
Estimated Gross Obligations	43,806	3,880	43,289	3,633	38,694	3,079
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	100,818	8,930	93,365	7,837	85,255	6,783
b. Exterior Utilities	14,088	1,248	12,874	1,081	11,755	935
c. Maintenance & Repair of Other	7,044	624	6,429	540	5,870	467
Real Property						
d. Alterations and Additions	632	56	540	45	492	39
Subtotal Direct Obligations	122,582	10,858	113,208	9,502	103,373	8,224
Anticipated Reimbursements	2,253	200	2,408	202	2,419	192
Estimated Gross Obligations	124,835	11,057	115,616	9,704	105,791	8,417
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>205,864</b>	<b>18,234</b>	<b>195,674</b>	<b>16,424</b>	<b>179,816</b>	<b>14,306</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	3,379	299	3,611	303	3,626	289
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>209,243</b>	<b>18,534</b>	<b>199,285</b>	<b>16,727</b>	<b>183,442</b>	<b>14,595</b>



DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - FOREIGN

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	7,769		8,114		7,192	
Units at End of Year	8,114		7,192		7,315	
Average Inventory for Year	7,942		7,653		7,254	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	0		0		0	
c. Foreign	7,942		6,630		5,334	
d. Worldwide	7,942		6,630		5,334	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	10,961	1,380	11,050	1,667	10,619	1,991
(2) Services	5,772	727	5,743	866	5,532	1,037
(3) Furnishings	7,784	980	7,773	1,172	7,524	1,411
(4) Miscellaneous	326	41	202	30	73	14
Subtotal Direct Obligations	24,843	3,128	24,767	3,736	23,748	4,452
Anticipated Reimbursements	127	15	128	19	129	24
Estimated Gross Obligations	24,970	3,143	24,895	3,755	23,877	4,476
2. UTILITIES	22,170	2,792	22,200	3,348	23,519	4,409
Anticipated Reimbursements	3,990	502	4,270	644	4,288	804
Estimated Gross Obligations	26,160	3,294	26,470	3,992	27,806	5,213
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	33,459	4,213	30,010	4,526	27,403	5,138
b. Exterior Utilities	4,403	554	4,023	607	3,674	689
c. Maintenance & Repair of Other	1,013	128	877	132	801	150
Real Property						
d. Alterations and Additions	1,145	144	1,080	163	983	184
Subtotal Direct Obligations	40,020	5,039	35,990	5,428	32,861	6,161
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	40,020	5,039	35,990	5,428	32,861	6,161
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>87,033</b>	<b>10,959</b>	<b>82,956</b>	<b>12,512</b>	<b>80,128</b>	<b>15,022</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	4,117	518	4,398	663	4,417	828
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>91,150</b>	<b>11,477</b>	<b>87,355</b>	<b>13,176</b>	<b>84,544</b>	<b>15,850</b>

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - WORLDWIDE

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	25,123		25,577		25,725	
Units at End of Year	25,577		25,725		23,882	
Average Inventory for Year	25,350		25,651		24,804	
Requiring O&M Funding						
a. Conterminous U.S.	22,627		22,837		21,897	
b. U.S. Overseas	2,187		2,278		2,305	
c. Foreign	537		536		602	
d. Worldwide	25,350		25,651		24,804	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	14,630	577	14,065	548	14,565	587
(2) Services	14,395	568	14,762	575	14,546	586
(3) Furnishings	3,048	120	3,120	122	3,102	125
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	32,073	1,265	31,947	1,245	32,213	1,299
Anticipated Reimbursements	1,409	56	1,400	55	1,400	56
Estimated Gross Obligations	33,482	1,321	33,347	1,300	33,613	1,355
2. UTILITIES	41,949	1,655	41,204	1,606	41,996	1,693
Anticipated Reimbursements	1,169	46	600	23	600	24
Estimated Gross Obligations	43,118	1,701	41,804	1,630	42,596	1,717
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	63,435	2,502	55,203	2,152	54,665	2,204
b. Exterior Utilities	700	28	400	16	600	24
c. Maintenance & Repair of Other	11,285	445	6,273	245	12,902	520
Real Property						
d. Alterations and Additions	279	11	255	10	275	11
Subtotal Direct Obligations	75,699	2,986	62,131	2,422	68,442	2,759
Anticipated Reimbursements	1,540	61	1,000	39	1,000	40
Estimated Gross Obligations	77,239	3,047	63,131	2,461	69,442	2,800
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	149,721	5,906	135,282	5,274	142,651	5,751
5. GRAND TOTAL -						
Anticipated Reimbursements	4,118	162	3,000	117	3,000	121
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	153,839	6,069	138,282	5,391	145,651	5,872

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - CONUS

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	22,491		22,763		22,911	
Units at End of Year	22,763		22,911		20,882	
Average Inventory for Year	22,627		22,837		21,897	
Requiring O&M Funding						
a. Conterminous U.S.	22,627		22,837		21,897	
b. U.S. Overseas	0		0		0	
c. Foreign	0		0		0	
d. Worldwide	22,627		22,837		21,897	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	12,749	563	12,295	538	12,895	589
(2) Services	12,096	535	12,422	544	12,376	565
(3) Furnishings	2,139	95	1,920	84	1,712	78
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	26,984	1,193	26,637	1,166	26,983	1,232
Anticipated Reimbursements	1,401	62	1,385	61	1,385	63
Estimated Gross Obligations	28,385	1,254	28,022	1,227	28,368	1,296
2. UTILITIES	37,691	1,666	36,897	1,616	37,226	1,700
Anticipated Reimbursements	1,169	52	600	26	600	27
Estimated Gross Obligations	38,860	1,717	37,497	1,642	37,826	1,727
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	52,221	2,308	43,501	1,905	42,539	1,943
b. Exterior Utilities	700	31	400	18	600	27
c. Maintenance & Repair of Other	11,285	499	6,273	275	12,902	589
Real Property						
d. Alterations and Additions	279	12	126	6	195	9
Subtotal Direct Obligations	64,485	2,850	50,300	2,203	56,236	2,568
Anticipated Reimbursements	1,444	64	888	39	887	41
Estimated Gross Obligations	65,929	2,914	51,188	2,241	57,123	2,609
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	129,160	5,708	113,834	4,985	120,445	5,501
5. GRAND TOTAL -						
Anticipated Reimbursements	4,014	177	2,873	126	2,872	131
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	133,174	5,886	116,707	5,110	123,317	5,632

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - OVERSEAS

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	2,095		2,278		2,278	
Units at End of Year	2,278		2,278		2,332	
Average Inventory for Year	2,187		2,278		2,305	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	2,187		2,278		2,305	
c. Foreign	0		0		0	
d. Worldwide	2,187		2,278		2,305	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	1,342	614	1,220	536	1,008	437
(2) Services	1,824	834	1,855	814	1,793	778
(3) Furnishings	674	308	960	421	995	432
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	3,840	1,756	4,035	1,771	3,796	1,647
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	3,840	1,756	4,035	1,771	3,796	1,647
2. UTILITIES	3,905	1,786	3,983	1,748	4,330	1,879
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	3,905	1,786	3,983	1,748	4,330	1,879
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	9,955	4,553	10,417	4,573	10,524	4,566
b. Exterior Utilities	0	0	0	0	0	0
c. Maintenance & Repair of Other	0	0	0	0	0	0
Real Property						
d. Alterations and Additions	0	0	100	44	50	22
Subtotal Direct Obligations	9,955	4,553	10,517	4,617	10,574	4,587
Anticipated Reimbursements	85	39	85	37	85	37
Estimated Gross Obligations	10,040	4,592	10,602	4,654	10,659	4,624
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>17,700</b>	<b>8,095</b>	<b>18,535</b>	<b>8,137</b>	<b>18,700</b>	<b>8,113</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	85	39	85	37	85	37
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>17,785</b>	<b>8,134</b>	<b>18,620</b>	<b>8,174</b>	<b>18,785</b>	<b>8,150</b>

DEPARTMENT OF THE NAVY  
FAMILY HOUSING, MARINE CORPS  
FY 1999 OPERATIONS AND MAINTENANCE  
(EXCLUDES LEASED UNITS AND COSTS)  
GEOGRAPHIC - FOREIGN

	FY 1997		FY 1998		FY 1999	
<b>A. INVENTORY DATA</b>						
Units in Beginning of Year	537		536		536	
Units at End of Year	536		536		668	
Average Inventory for Year	537		536		602	
Requiring O&M Funding						
a. Conterminous U.S.	0		0		0	
b. U.S. Overseas	0		0		0	
c. Foreign	537		536		602	
d. Worldwide	537		536		602	
	Total	Unit	Total	Unit	Total	Unit
	(\$000)	Cost	(\$000)	Cost	(\$000)	Cost
<b>B. FUNDING REQUIREMENT</b>						
1. OPERATIONS						
a. Operating Expenses						
(1) Management	539	1,005	550	1,026	662	1,100
(2) Services	475	885	485	905	377	626
(3) Furnishings	235	438	240	448	395	656
(4) Miscellaneous	0	0	0	0	0	0
Subtotal Direct Obligations	1,249	2,328	1,275	2,379	1,434	2,382
Anticipated Reimbursements	8	15	15	28	15	25
Estimated Gross Obligations	1,257	2,343	1,290	2,407	1,449	2,407
2. UTILITIES	353	658	324	604	440	731
Anticipated Reimbursements	0	0	0	0	0	0
Estimated Gross Obligations	353	658	324	604	440	731
3. MAINTENANCE						
a. Maintenance & Repair of Dwellings	1,259	2,347	1,285	2,397	1,602	2,661
b. Exterior Utilities	0	0	0	0	0	0
c. Maintenance & Repair of Other	0	0	0	0	0	0
Real Property						
d. Alterations and Additions	0	0	29	54	30	50
Subtotal Direct Obligations	1,259	2,347	1,314	2,451	1,632	2,711
Anticipated Reimbursements	11	21	27	50	28	47
Estimated Gross Obligations	1,270	2,367	1,341	2,502	1,660	2,757
<b>4. GRAND TOTAL, O&amp;M - Direct Obligation</b>	<b>2,861</b>	<b>5,333</b>	<b>2,913</b>	<b>5,435</b>	<b>3,506</b>	<b>5,824</b>
5. GRAND TOTAL -						
Anticipated Reimbursements	19	35	42	78	43	71
<b>6. GRAND TOTAL, O&amp;M - Gross Obligations</b>	<b>2,880</b>	<b>5,368</b>	<b>2,955</b>	<b>5,513</b>	<b>3,549</b>	<b>5,895</b>

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**DEPARTMENT OF THE NAVY**  
**FAMILY HOUSING - FY 1999 BUDGET**  
**OPERATIONS AND MAINTENANCE**  
**Exhibit OP-5**

Claimant: Naval Facilities Engineering Command  
 Budget Activity: Family Housing, Navy

I. Description of program element

**Management.** Includes resources for direct and indirect expenses incident to the administration of the family housing program such as housing office personnel and operations, administrative support, training, travel, programming and studies, and community liaison. Housing referral costs are also included, although the housing referral program assists personnel in locating housing in the private community, and is not related to the operation or management of military family housing units.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1997</u>	<u>Budget Request</u>	<u>FY 1998 Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Management</b>	<b><u>74,077</u></b>	<b><u>73,666</u></b>	<b><u>73,666</u></b>	<b><u>73,666</u></b>	<b><u>70,766</u></b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>73,666</u>
2. FY 1998 appropriation					<u>73,666</u>
3. FY 1998 current estimate					<u>73,666</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>73,666</u>
2. Pricing adjustments					<u>1,547</u>
a. civilian personnel compensation				<u>(1,083)</u>	
b. inflation				<u>(464)</u>	
3. Program increase					
<u>2,089</u>					
a. inventory increase				<u>(2,089)</u>	
4. Program decreases					<u>-6,536</u>
a. inventory reduction				<u>(-2,276)</u>	
b. management initiative				<u>(-3,789)</u>	
c. transfer to MPN account for PPV				<u>(-471)</u>	
D. FY 1999 budget request					<u>70,766</u>

**RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT.**

Pricing adjustments are proposed in the Management Account for pay raises and inflation increases. Program increase is for new homes coming on line. Program decrease reflects inventory losses due to divestitures and management initiatives that will result in operating efficiencies. In addition, funds have been realigned to the MPN account to fund housing allowances for families living in Navy family housing which will be privatized.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Claimant: Naval Facilities Engineering Command  
Budget Activity: Family Housing, Navy

I. Description of program element

**Services.** Provides resources for direct and indirect expenses incident to basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial services, snow removal, street cleaning, and recycling.

II. Financial summary (\$000)

A. Program element breakout

		FY 1998			
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Services</b>	<b><u>53,018</u></b>	<b><u>52,206</u></b>	<b><u>52,206</u></b>	<b><u>52,206</u></b>	<b><u>50,283</u></b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>52,206</u>
2. FY 1998 appropriation					<u>52,206</u>
3. FY 1998 current estimate					<u>52,206</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>52,206</u>
2. Pricing adjustments					<u>731</u>
a. defense business operations fund increases				(347)	
b. inflation				(384)	
3. Program increase					<u>1,484</u>
a. inventory increase				(1,484)	
4. Program decreases					<u>-4,138</u>
a. inventory reduction				(-1,617)	
b. management initiative				(-2,207)	
c. transfer to MPN account for PPV				(-314)	
D. FY 1999 budget request					<u>50,283</u>

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT.

Pricing adjustments are proposed in the Services Account for DBOB and inflation increases. Program increase is for new homes coming on line. Program decrease reflects inventory losses due to divestitures and management initiatives that will result in operating efficiencies. In addition, funds have been realigned to the MPN account to fund housing allowances for families living in Navy family housing which will be privatized.



DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Claimant: Naval Facilities Engineering Command  
Budget Activity: Family Housing, Navy

I. Description of program element

**Furnishings.** Includes resources for the procurement of initial issue or replacement of household equipment (primarily stoves and refrigerators), furniture overseas; the warehousing, moving and handling of furnishing inventories; and the maintenance and repair of such items.

II. Financial summary (\$000)

A. Program element breakout

		<u>FY 1998</u>			
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Furnishings</b>	<b><u>31,573</u></b>	<b><u>31,091</u></b>	<b><u>31,091</u></b>	<b><u>31,091</u></b>	<b><u>30,097</u></b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>31,091</u>
2. FY 1998 appropriation					<u>31,091</u>
3. FY 1998 current estimate					<u>31,091</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>31,091</u>
2. Pricing adjustments					<u>681</u>
a. civilian personnel compensation				(196)	
b. defense business operations fund increases				(113)	
c. inflation				(372)	
3. Program increase					<u>888</u>
a. inventory increase				(888)	
4. Program decreases					<u>-2,563</u>
a. inventory reduction				(-968)	
b. management initiative				(-1,517)	
c. transfer to MPN account for PPV				(-78)	
D. FY 1999 budget request					<u>30,097</u>

**RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT.**

Pricing adjustments are proposed in the Furnishings Account for pay raises, DBOF and inflation increases. Program increase is for new homes coming on line. Program decrease reflects inventory losses due to divestitures and management initiatives that will result in operating efficiencies. In addition, funds have been realigned to the MPN account to fund housing allowances for families living in Navy family housing which will be privatized.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Claimant: Naval Facilities Engineering Command  
Budget Activity: Family Housing, Navy

I. Description of program element

**Miscellaneous.** Includes resources for costs not included in any other category, such as mobile home hookup and disconnection, payments to the Coast Guard for Navy occupancy of their homes, and United Kingdom Accommodation charges.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1997</u>	<u>Budget Request</u>	<u>FY 1998 Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Miscellaneous	<u>1,290</u>	<u>806</u>	<u>806</u>	<u>806</u>	<u>293</u>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>806</u>
2. FY 1998 appropriation					<u>806</u>
3. FY 1998 current estimate					<u>806</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>806</u>
2. Pricing adjustments					<u>17</u>
a. inflation				<u>(17)</u>	
3. Program decreases					<u>-530</u>
a. inventory reduction				<u>(-530)</u>	
D. FY 1999 budget request					<u>293</u>

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT.

Pricing adjustment is proposed in the Miscellaneous Account for inflation increases.  
Program decrease reflects reduction in occupancy of Coast Guard housing.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Claimant: Naval Facilities Engineering Command  
Budget Activity: Family Housing, Navy

I. Description of program element

**Utilities.** Includes all utility services provided to family housing, such as electricity, gas, fuel oil, steam and hot water, and water and sewage. Does not include costs for telephone service or Cable Television.

II. Financial summary (\$000)

A. Program element breakout

		FY 1998			
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Utilities</b>	<b><u>163,018</u></b>	<b><u>158,572</u></b>	<b><u>158,572</u></b>	<b><u>158,572</u></b>	<b><u>146,990</u></b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>158,572</u>
2. FY 1998 appropriation					<u>158,572</u>
3. FY 1998 current estimate					<u>158,572</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>158,572</u>
2. Pricing adjustments					<u>-1,146</u>
a. defense business operations fund increases				<u>(-3,077)</u>	
b. inflation				<u>(1,931)</u>	
3. Program increase					<u>3,038</u>
a. inventory increase				<u>(3,038)</u>	
4. Program decreases					<u>-13,474</u>
a. reduced consumption				<u>(-7,924)</u>	
b. inventory reduction				<u>(-4,727)</u>	
c. transfer to MPN account for PPV				<u>(-823)</u>	
D. FY 1999 budget request					<u>146,990</u>

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT.

Pricing adjustments are proposed in the Utilities Account for DBOF and inflation. Program increase is for new homes coming on line. The program decreases are due to energy conservation achieved through provision of energy efficient appliances and HVAC systems, energy conservation measures incorporated in new construction and revitalization projects, aggressive occupant energy conservation awareness, and inventory losses due to divestitures. Installation commanders continue to lean forward to support innovative ideas for energy conservation. In addition, funds have been realigned to the MPN account to fund housing allowances for families living in Navy family housing which will be privatized.

**DEPARTMENT OF THE NAVY**  
**FAMILY HOUSING - FY 1999 BUDGET**  
**OPERATIONS AND MAINTENANCE**  
**Exhibit OP-5**

Claimant: Naval Facilities Engineering Command  
 Budget Activity: Family Housing, Navy

I. Description of program element

**Maintenance/Repair of Dwellings.** Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and minor repairs.

**Exterior Utilities.** Includes maintenance, repair and replacement of electricity, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified.

**Other Real Property.** Includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas, and community facilities.

**Alterations and Additions.** Includes minor incidental improvements to dwellings or other real property performed with operation and maintenance funds under the authority of 10 USC 2805.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1997</u>	<u>Budget Request</u>	<u>FY 1998</u> <u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Maintenance</b>	<b>440,255</b>	<b>400,296</b>	<b>400,296</b>	<b>400,296</b>	<b>365,490</b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					400,296
2. FY 1998 appropriation					400,296
3. FY 1998 current estimate					400,296
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					400,296
2. Pricing adjustments					7,233
a. defense business operations fund increases				(2,357)	
b. inflation				(4,876)	
3. Program increase					7,552
a. inventory increase				(7,552)	
4. Program decreases					-49,591
a. inventory reduction				(-11,751)	
b. management initiative				(-35,644)	
c. transfer to MPN account for PPV				(-2,196)	
D. FY 1999 budget request					365,490

**RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT.**

Pricing adjustments are proposed in the Maintenance Account for DBOF and inflation. Program increase is for new homes coming on line. Reductions to the Family Housing account result from: early divestiture of housing units at base closure sites resulted in program savings; HAC report language allowing savings from foreign currency reestimates in Family Housing O&M accounts to be applied to maintenance of existing family housing units; and adjustments to the Family Housing account due to FY98 OMB inflation reestimates. In addition, funds have been realigned to the MPN account to fund housing allowances for families living in Navy family housing which will be privatized.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Claimant: Naval Facilities Engineering Command  
Budget Activity: Family Housing, Navy

I. Description of program element

**Reimbursements.** Includes collections received from rental of Navy family housing to foreign national, civilian and Coast Guard personnel; collections for rental of mobile home spaces; collections for burden sharing by the Government of Japan, and collections for occupant-caused damages.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1997</u>	<u>Budget Request</u>	<u>FY 1998 Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
<b>Reimbursements</b>	<b><u>17,094</u></b>	<b><u>18,289</u></b>	<b><u>18,289</u></b>	<b><u>18,289</u></b>	<b><u>18,368</u></b>
B. Reconciliation of budget to current estimate					
1. FY 1998 budget request					<u>18,289</u>
2. FY 1998 appropriation					<u>18,289</u>
3. FY 1998 current estimate					<u>18,289</u>
C. Reconciliation of increases and decreases					
1. FY 1998 current estimate					<u>18,289</u>
2. Pricing adjustments					<u>384</u>
a. inflation				<u>(384)</u>	
3. Program increase					<u>548</u>
a. inventory increase				<u>(548)</u>	
4. Program decreases					<u>-853</u>
a. inventory reduction				<u>(-597)</u>	
b. management initiative				<u>(-256)</u>	
D. FY 1999 budget request					<u>18,368</u>

RATIONALE FOR CHANGES IN THE REIMBURSABLE COLLECTIONS.

Pricing adjustment is proposed in the Reimbursable Collections Account for inflation. Program decreases reflect inventory losses due divestitures and management initiative to reduce reimbursable costs. Program increase is for new homes coming on line.

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**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**MANAGEMENT**

I. Description of program element

Management. The Management Account provides for direct and indirect expenses in managing the family housing program such as personnel payroll, pay increases, administrative support, housing referral, community liaison, and training and travel associated with the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative.

II. Financial summary (\$000)

A. Program element breakout

			<u>FY 1998</u>		
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Management	<u>14,630</u>	<u>14,065</u>	<u>14,065</u>	<u>14,065</u>	<u>14,565</u>

B. Reconciliation of budget to current estimate

1. FY 1998 budget request	14,065
2. FY 1998 appropriation	0
3. FY 1998 current estimate	14,065

C. Reconciliation of increases and decreases

1. FY 1998 current estimate	14,065
2. Pricing adjustments	560
a. civilian personnel compensation	(265)
b. inflation	(295)
3. Program growth	1,035
a. new units on line	(1,035)
4. Program decrease	(-1,095)
a. inventory reduction	(-1,095)

D. FY 1999 budget request	14,565
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RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT.

The Management Account funding adjustments reflect pricing and program increases associated with the new and existing units. Funding provides direct and indirect expenses in managing the family housing program such as personnel payroll, pay increases, increased housing referral services, community liaison, maintenance and equipment support for the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative, training, and travel. Pricing adjustments reflect administrative costs which are driven by the increase in square footage. These ancillary costs increased for support to base offices outside Family Housing for purchasing, contracting, regional automated service centers, field headquarters offices and PWCs, increased vehicles leases, and ADP support. Program decreases reflect reduced management support for reduction of units.

**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**SERVICES**

I. Description of program element

Services. Includes direct and indirect expenses incident to providing basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial services, snow removal, and street cleaning.

II. Financial summary (\$000)

A. Program element breakout

			<u>FY 1998</u>		
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Services	<u>14,395</u>	<u>14,762</u>	<u>14,762</u>	<u>14,762</u>	<u>14,546</u>

B. Reconciliation of budget to current estimate

1. FY 1998 budget request	14,762
2. FY 1998 appropriation	0
3. FY 1998 current estimate	14,762

C. Reconciliation of increases and decreases

1. FY 1998 current estimate	14,762
2. Pricing adjustments	310
a. inflation	(310)
3. Program growth	796
a. contractual increases for new units on line	(796)
4. Program decrease	(-1,322)
a. inventory reduction	(-1,322)

D. FY 1999 budget request	14,546
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RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT

The Services Account reflects an increase using the approved inflationary factors and costs associated with the existing units and newly acquired units service contracts. Funding increases also include indirect support costs for fire and police protection, and costs associated with providing pest control, street cleaning, snow removal, refuse collection, trash disposal for newly acquired units, newly enacted city, county or state ordinances. Program decrease reflects reduced services for BRAC units.



**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**FURNISHINGS**

I. Description of program element

Furnishings. Includes the procurement of initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

II. Financial summary (\$000)

A. Program element breakout

			<u>FY 1998</u>		
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Furnishings	<u>3,048</u>	<u>3,120</u>	<u>3,120</u>	<u>3,120</u>	<u>3,102</u>

B. Reconciliation of budget to current estimate

1.	FY 1998 budget request	3,120
2.	FY 1998 appropriation	0
3.	FY 1998 current estimate	3,120

C. Reconciliation of increases and decreases

1.	FY 1998 current estimate	3,120
2.	Pricing adjustments	65
a.	inflation	(65)
3.	Program decrease	(-83)
a.	inventory reduction	(-83)

D.	FY 1999 budget request	3,102
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RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT.

The Furnishings Account request reflects a program decrease based on the inventory reduction due to BRAC. The funds requested will enable a consistent inventory level.

**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**UTILITIES**

I. Description of program element

Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water and sewage, excluding telephone service.

II. Financial summary (\$000)

A. Program element breakout

			<u>FY 1998</u>		
	<u>FY 1997</u>	<u>Budget Request</u>	<u>Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Utilities	<u>41,949</u>	<u>41,204</u>	<u>41,204</u>	<u>41,204</u>	<u>41,996</u>

B. Reconciliation of budget to current estimate

1. FY 1998 budget request	41,204
2. FY 1998 appropriation	0
3. FY 1998 current estimate	41,204

C. Reconciliation of increases and decreases

1. FY 1998 current estimate	41,204
2. Pricing adjustments	865
a. inflation	(865)
3. Program growth	3,394
a. utilities for new units on line	(3,394)
4. Program decrease	(-3,467)
a. reduction for burden sharing	(-283)
b. inventory reduction	(-2,106)
c. energy conservation	(-153)
d. reduced consumption	(-925)

D. FY 1999 budget request	41,996
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RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT.

The Utilities Account proposes a funding adjustment for base operating funding and price increases for existing units, program and price increases and decreases for cost associated with providing electricity, gas, water, and sewage for newly acquired or constructed units, and inflation. Program increases are due to costs associated with new units coming on line. Program decreases reflect reduced usage for reduction of units off-line in conjunction with BRAC, increased funding from the Government of Japan for burden sharing for utility usage at MCAS Iwakuni, Japan, reduced consumption in accordance to Executive Order 12902 of 30% by 2005 and energy conservation. The Marine Corps continues to stress energy conservation through provision of energy efficient appliances and HVAC systems, energy conservation measures incorporated in new construction and revitalization projects, and aggressive occupant energy conservation awareness programs.

**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**MAINTENANCE EXPENSES**

I. Description of program element

Maintenance. Includes the following areas:

Maintenance/Repair of Dwellings. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

Exterior Utilities. Includes maintenance, repair and replacement of electricity, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified.

Other Real Property. Includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas, and community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed with operation and maintenance funds under the authority of 10 USC 2805.

II. Financial summary (\$000)

A. Program element breakout

			FY 1998		
	FY 1997	Budget Request	Approp	Current Estimate	FY 1999
Maintenance	<u>69,219</u>	<u>62,131</u>	<u>62,131</u>	<u>62,131</u>	<u>68,442</u>

B. Reconciliation of budget to current estimate

1. FY 1998 budget request	62,131
2. FY 1998 appropriation	0
3. FY 1998 current estimate	62,131

C. Reconciliation of increases and decreases

1. FY 1998 current estimate	62,131
2. Pricing adjustments	1,305
a. inflation	(1,305)
3. Program growth	582
a. new units on line	(582)
5. Program increase	15,763
a. backlog reduction	(15,763)
4. Program decrease	(-11,339)
a. inventory reduction	(-5,050)
b. minor and major repair backlog decrease	(-6,289)

D. FY 1999 budget request	68,442
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**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT.

Funding estimate proposed in the Maintenance Account provides for price increases associated with inflation required to maintain new and existing family housing units. Program increases are costs associated with maintenance service contracts to allow for maintaining the basic level of occupant service calls, change of occupancy, and routine maintenance. Increased funding is required for annual maintenance contracts, minor repair projects (less than \$15K), self-help materials, and energy conservation projects. This funding profile is necessary to prevent the deterioration of our housing assets resulting in the degradation of the quality of life for our Marine families, the closure of units and greater financial outlays in the out-years. Program decrease reflects reductions of maintenance requirements for units off line in conjunction with BRAC.

**US MARINE CORPS  
FAMILY HOUSING - FY 1999 BUDGET**

OPERATIONS AND MAINTENANCE  
Exhibit OP-5

Budget Activity: Family Housing, Marine Corps

**REIMBURSEMENTS**

I. Description of program element

Reimbursements. Includes collections received from rental of Marine Corps Family Housing to foreign nationals, civilian and Coast Guard personnel; collections for rental of mobile home parks, and collections for occupant-caused damages.

II. Financial summary (\$000)

A. Program element breakout

	<u>FY 1997</u>	<u>Budget Request</u>	<u>FY 1998 Approp</u>	<u>Current Estimate</u>	<u>FY 1999</u>
Reimbursements	<u>4,118</u>	<u>3,000</u>	<u>3,000</u>	<u>3,000</u>	<u>3,000</u>

B. Reconciliation of budget to current estimate

1. FY 1998 budget request	3,000
2. FY 1998 appropriation	0
3. FY 1998 current estimate	3,000

C. Reconciliation of increases and decreases

1. FY 1998 current estimate	3,000
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D. FY 1999 budget request	3,000
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RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT.

The FY 1999 estimate reflects stable requirements for collections.

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1. COMPONENT NAVY	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS		5. PROJECT NUMBER
<p style="text-align: center;">DEPARTMENT OF THE NAVY FY 1999 BUDGET GENERAL/FLAG OFFICERS QUARTERS (GFOQs) WHERE ANTICIPATED MAINTENANCE AND REPAIR WILL EXCEED \$25,000 PER UNIT</p> <p>This information is provided in accordance with the reporting requirement established by the Conference Appropriations Committee Report dated 21 December 1987. The information provides the details for those GFOQs where the maintenance and repair obligations in FY 1999 are expected to exceed \$25,000 per unit. Operations include the prorated costs for management of family housing, services such as fire and police protection, refuse collection, entomology, snow removal, and furnishings. Utilities include applicable costs for energy (electricity, gas, fuel oil, steam, and geothermal), water and sewerage. Maintenance and repairs include recurring work such as service calls, preventative maintenance, routine change of occupancy work, and major repairs. This includes all operation and maintenance costs to the dwelling unit, appurtenant structures and other related area and facilities intended for the use of the general or flag officer. In those quarters designated as historical, major work is coordinated with the appropriate State Historic Preservation office. These quarters are identified as National Historic Register (NHR), or eligible to be on the National Historic Register (ELIG) or are in an Historical Thematic District (HTD).</p>		

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4. PROJECT TITLE GENERAL AND FLAG OFFICER QUARTERS						5. PROJECT NUMBER	
<u>STATE/ INSTALLATION</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT &amp; RPR</u>	<u>HIST PRES</u>	<u>TOTAL</u>	<u>IMPROVS</u>
<u>INSIDE THE UNITED STATES</u>							
<u>CALIFORNIA</u>							
CNB SAN DIEGO	NASNI A	4,000	6,100	49,900	(0)	60,000	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repairs include replace Spanish style tile roof and flashing around vents and chimney, remove asphalt on flat roof areas and replace garage door. (Year built: 1918; NSF: 3,900; NHR)							
CNB SAN DIEGO	NASNI BC	4,200	3,900	48,700	(0)	56,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy maintenance to include partial interior paint and lead based paint abatement, replace living room and dining room carpet and replace lighting and plumbing fixtures. Major repairs include relocate stove, refrigerator, sink and replace kitchen cabinets, countertops and vinyl floor. (Year built: 1973; NSF: 2,582)							
CNB SAN DIEGO	303 Silvergate	2,700	4,200	35,600	(0)	42,500	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes partial interior paint, carpet cleaning and minor repairs. Major repairs include replace irrigation system and landscaping repairs. (Year built: 1965; NSF: 1,852)							
CNB SAN DIEGO	NAVMECTR B	4,000	4,300	27,900	(0)	36,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes partial carpet replacement and cleaning and complete interior paint. Major repairs include replace kitchen vinyl floor, replace formica countertops and lighting. (Year built: 1988; NSF: 2,159)							

1. COMPONENT NAVY		FY 1999 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
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<u>INSIDE THE UNITED STATES</u>							
NAWS	1						
CHINA LAKE	Enterprise	1,400	1,600	52,300	(0)	55,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes partial interior paint, replace carpeting and refinish parquet floors. Major repairs include replace roof, replace hot water boiler and repair garage. (Year built: 1944; NSF: 2,750; NHR)							
<u>DISTRICT OF COLUMBIA</u>							
NAVSTA	WNY						
WASHINGTON	A	12,200	26,100	694,000	(113,000)	732,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Major repairs include garage structural repairs, repair fire alarm system, replace slate roof, replace windows, replace exterior doors in kitchen, laundry and office wings, master and guest bath renovations, interior renovations, complete interior painting and lead paint removal, repair lightening protection, repair drainage and foundation waterproofing. Renovate second floor baths, replace basement doors and shelving, provide closet storage systems, renovate laundry room, restore bedrooms/remove closets, treat and paint basement walls, replace circulating pump and sump pump cover. Repair service court, 2 <sup>nd</sup> and 3 <sup>rd</sup> floor emergency/fire exit, relocate and enclose transformer, HVAC and electrical rooms. Replace windows on 3 <sup>rd</sup> floor, office wings and laundry. (Year built: 1804; NSF: 8,940; HTD)							
NAVSTA	WNY						
WASHINGTON	C	9,300	4,700	98,800	(0)	112,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes partial interior painting, floor/carpet replacement and termite treatment. Major repairs include replace metal roof and exterior painting. (Year built: 1879; NSF: 3,200; HTD)							

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<u>INSIDE THE UNITED STATES</u>							
NAVSTA WASHINGTON	WNY D	9,300	5,600	52,900	(0)	67,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes carpet replacement, partial interior painting and termite treatment. Major repairs include repairing plaster walls and moldings, damaged front door and hardware, replace saloon-type doors, repair front porch, replace railings and balusters, repair/replace roof flashing and replace screens. (Year built: 1879; NSF: 3,220; NHR)							
NAVSTA WASHINGTON	WNY G	9,300	4,800	71,200	(15,000)	85,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy maintenance. Major repairs include reseal and paint roof and paint exterior with lead base paint abatement. (Year built: 1880; NSF: 3,690; NHR)							
NAVSTA WASHINGTON	BETHESDA A	9,300	5,900	100,900	(0)	116,100	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy to include interior painting with lead base paint abatement. Major repairs include renovation of master and guest bathrooms to replace vanities, sinks, medicine cabinets, mirrors and wall and floor tiles. Repair rear porch roof structure. Abate lead base paint on exterior masonry wall and window trim. (Year built: 1941; NSF: 3,064)							
NAVSTA WASHINGTON	BETHESDA B	9,400	4,900	109,900	(0)	124,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy to include interior painting. Major repairs include renovation of master bath and powder room bathrooms to replace vanities, sinks, medicine cabinets, mirrors and wall and floor tiles, kitchen renovations to include replace cabinets, counter top, sink, dishwasher and garbage disposer, partial painting on interior wall trim. Repair rear porch roof structure and abate lead base paint on exterior masonry wall and window trim. (Year built: 1941; NSF: 3,805)							

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American Disabilities Act requires that buildings open to public tours, that have multiple stories, have an elevator that meets the accessibility needs of the physically challenged. The requirement to replace the basement stairs is related to structural problems due to age, use, and deterioration. This is home to the Commandant of the Marine Corps and a Special Command Position. It is used regularly for entertainment and public tours. It is a three story unit with 5 bathrooms and 5 bedrooms. (Year built: 1810; NSF: 15,605; NHR).</p> </td> </tr> <tr> <td colspan="8"><u>FLORIDA</u></td> </tr> <tr> <td colspan="8">PWC</td> </tr> <tr> <td>PENSACOLA</td> <td>4</td> <td>5,300</td> <td>5,300</td> <td>224,500</td> <td>(57,000)</td> <td>235,100</td> <td>0</td> </tr> <tr> <td colspan="8"> <p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes refinish hardwood floors downstairs, replace carpet upstairs, complete interior paint and replace screen doors. Major repairs consist of restoring windows, trim and hardware, repair hot and cold water plumbing, complete exterior painting including wood preparation and removal/disposal of lead base paint, and restoration of plaster and woodwork in one room and repair brick walkways. (Year built: 1874; NSF: 4,802; ELIG)</p> </td> </tr> <tr> <td>NAVSTA</td> <td>547</td> <td colspan="6"></td> </tr> <tr> <td>MAYPORT</td> <td>Osborn</td> <td>1,800</td> <td>3,400</td> <td>79,700</td> <td>(0)</td> <td>84,900</td> <td>0</td> </tr> <tr> <td colspan="8"> <p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace sun room floor, repair wall tile and grout, replace bathroom fixtures, medicine cabinet, light bars, clean carpets, replace closet doors, replace wallpaper and partial interior painting. Major repairs include replace heating/air conditioning systems, relocate return air for HVAC system, replace roof and repair exterior with stucco. (Year built: 1963; NSF 2,014)</p> </td> </tr> </tbody> </table>								STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS	<u>INSIDE THE UNITED STATES</u>								MARBKS								8th and I	6	21,763	25,377	61,000	(0)	108,140	0	<p>Operations consist of management, services and furnishings. Maintenance and repairs include routine recurring maintenance, change of occupancy, interior paint and projects to replace the existing passenger elevator (\$29,000) and replace the basement stairs (\$12,000). The existing passenger elevator was installed in 1944 and is nonworking at this time. 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Major repairs consist of restoring windows, trim and hardware, repair hot and cold water plumbing, complete exterior painting including wood preparation and removal/disposal of lead base paint, and restoration of plaster and woodwork in one room and repair brick walkways. (Year built: 1874; NSF: 4,802; ELIG)</p>								NAVSTA	547							MAYPORT	Osborn	1,800	3,400	79,700	(0)	84,900	0	<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace sun room floor, repair wall tile and grout, replace bathroom fixtures, medicine cabinet, light bars, clean carpets, replace closet doors, replace wallpaper and partial interior painting. Major repairs include replace heating/air conditioning systems, relocate return air for HVAC system, replace roof and repair exterior with stucco. (Year built: 1963; NSF 2,014)</p>							
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<u>FLORIDA</u>																																																																																																							
PWC																																																																																																							
PENSACOLA	4	5,300	5,300	224,500	(57,000)	235,100	0																																																																																																
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes refinish hardwood floors downstairs, replace carpet upstairs, complete interior paint and replace screen doors. Major repairs consist of restoring windows, trim and hardware, repair hot and cold water plumbing, complete exterior painting including wood preparation and removal/disposal of lead base paint, and restoration of plaster and woodwork in one room and repair brick walkways. (Year built: 1874; NSF: 4,802; ELIG)</p>																																																																																																							
NAVSTA	547																																																																																																						
MAYPORT	Osborn	1,800	3,400	79,700	(0)	84,900	0																																																																																																
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace sun room floor, repair wall tile and grout, replace bathroom fixtures, medicine cabinet, light bars, clean carpets, replace closet doors, replace wallpaper and partial interior painting. Major repairs include replace heating/air conditioning systems, relocate return air for HVAC system, replace roof and repair exterior with stucco. (Year built: 1963; NSF 2,014)</p>																																																																																																							

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<u>INSIDE THE UNITED STATES</u>							
<u>HAWAII</u>							
COMNAVBASE	23						
PEARL HARBOR MAKALAPA		11,800	5,700	31,900	(0)	49,400	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing and electrical repairs and replace carpet. (Year built: 1941; NSF: 2,741; ELIG)							
COMNAVBASE	28						
PEARL HARBOR MAKALAPA		12,000	5,800	30,500	(0)	48,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes complete interior painting and carpet cleaning. Major repairs include replacement of linen cabinet sliding doors, replace shelving in baths 2, 3 and 4; replace powder room cabinet and countertop. (Year built: 1941; NSF: 2,600; ELIG)							
COMNAVBASE							
PEARL HARBOR	201	11,700	6,400	31,000	(0)	49,100	0
Marine Barracks							
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace carpet. (Year built: 1911; NSF: 3,370; NHR)							

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Major repairs include plaster restoration and touch up painting, replace kitchen and pantry floor covering, repair basement walls, repair/replace storm windows, replace shutters, chemical clean brick, tuckpoint repairs, exterior paint and sealcoat driveway. (Year built: 1911; NSF: 8,923; NHR)</td> </tr> <tr> <td colspan="8"><u>LOUISIANA</u></td> </tr> <tr> <td colspan="8">NSA</td> </tr> <tr> <td>NEW ORLEANS</td> <td>A</td> <td>7,000</td> <td>8,900</td> <td>152,900</td> <td>(0)</td> <td>168,800</td> <td>0</td> </tr> <tr> <td colspan="8">Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor electrical repairs, replace dishwasher and garbage disposal, relamp fluorescent fixtures, replace smoke detectors, repair ceramic tiles, patch wall cracks and complete interior painting. Major repairs include replace shutters, bath accessories, kitchen vinyl floor and underlayment; refinish wood framing, molding and all interior doors, replace all door hardware; replace bath threshold; repair interior and exterior masonry; replace vinyl wall covering; replace safety glass and provide emergency exit from bedrooms 2 and 3. (Year built: 1844; NSF: 6,483; ELIG)</td> </tr> <tr> <td colspan="8">NSA</td> </tr> <tr> <td>NEW ORLEANS</td> <td>D</td> <td>6,000</td> <td>5,900</td> <td>81,900</td> <td>(0)</td> <td>93,800</td> <td>0</td> </tr> <tr> <td colspan="8">Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor electrical repairs, replace dishwasher and garbage disposal, adjust pocket doors; replace kitchen cabinets; replace front steps and porch deck; relamp fluorescent fixtures, replace smoke detectors, repair ceramic tiles, patch wall cracks and complete interior painting. Major repairs include replace all 31 windows with vinyl clad; replace water supplies to all stops; replace hot and cold piping; replace gas and sanitary piping systems and replace carport. (Year built: 1907; NSF: 3,205; ELIG)</td> </tr> </tbody> </table>								STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS	<u>INSIDE THE UNITED STATES</u>								<u>ILLINOIS</u>								PWC								GREAT LAKES	AA	3,800	11,800	136,900	(42,000)	152,500	0	Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes carpentry, electrical, plumbing mechanical repairs, extensive plastering, priming, varnishing, interior painting and carpet replacement. Major repairs include plaster restoration and touch up painting, replace kitchen and pantry floor covering, repair basement walls, repair/replace storm windows, replace shutters, chemical clean brick, tuckpoint repairs, exterior paint and sealcoat driveway. (Year built: 1911; NSF: 8,923; NHR)								<u>LOUISIANA</u>								NSA								NEW ORLEANS	A	7,000	8,900	152,900	(0)	168,800	0	Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor electrical repairs, replace dishwasher and garbage disposal, relamp fluorescent fixtures, replace smoke detectors, repair ceramic tiles, patch wall cracks and complete interior painting. 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<u>STATE/ INSTALLATION</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT &amp; RPR</u>	<u>HIST PRES</u>	<u>TOTAL</u>	<u>IMPROVS</u>
<u>INSIDE THE UNITED STATES</u>							
NSA							
NEW ORLEANS	E	6,000	6,500	128,700	(0)	141,200	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor electrical repairs, replace dishwasher and garbage disposal, relamp fluorescent fixtures, replace smoke detectors, repair ceramic tiles, replace all vinyl flooring with new tile; replace wainscot tiles in bath; patch wall cracks and complete interior painting. Major repairs include replace all 36 windows with vinyl clad; replace exterior doors; replace water supplies to all stops; provide new stops at all fixtures and gas valve box; replace hot and cold piping; replace gas and sanitary piping systems; remove abandoned chimney, replace exterior doors; correct site drainage and paint porch columns. (Year built: 1907; NSF: 4,063; ELIG)</p>							
<u>MARYLAND</u>							
NAS							
PATUXENT RIVER	A	1,900	7,200	194,400	(0)	203,500	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include replace cabinets and countertops in kitchen and pantry, replace cabinets in library and hall #3, finish ceiling, remove asbestos tiles, replace bath accessories and sinks, replace carpet and vinyl flooring throughout. Repair fence, complete exterior painting, replace window shutters, light fixtures and complete interior painting. Major repairs include refinish 50 windows, replace hot water radiator units, replace interior wiring, cold and hot water piping and asbestos testing. (Year built: 1722; NSF: 10,000; ELIG)</p>							
<u>PENNSYLVANIA</u>							
NAVICP							
MECHANICSBURG	A	3,100	3,900	41,100	(0)	48,100	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include replace kitchen vinyl flooring, replace 1<sup>st</sup> floor carpet, repair interior wall cracks and interior painting. (Year built: 1947; NSF: 2,220)</p>							

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<u>INSIDE THE UNITED STATES</u>							
<u>TEXAS</u>							
NAS							
CORPUS CHRISTI	SOQ 1	12,500	3,300	258,600	(80,000)	274,400	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include repair/refinish ceiling and trim on 2<sup>nd</sup> floor; repair water damage in hall and porch on 1<sup>st</sup> floor; repair/refinish ceiling in bedroom #6; replace bathroom vanities and vinyl flooring in all 6 baths; replace carpet and pad in living room #2, stairway, 2<sup>nd</sup> floor hall, master bedroom and sunroom. Major repairs include replace kitchen and pantry cabinets; refinish wood flooring in living room, dining room, entry stairs, 1<sup>st</sup> floor hall and bedroom 1 and 2; repair and refinish trim throughout; complete interior and exterior paint including lead paint abatement and replace damaged wood; repair garage concrete floor and site work.</p> <p>(Year built: 1941; NSF: 5,573; NHR)</p>							
NAS							
CORPUS CHRISTI	SOQ 11	8,400	4,200	85,200	(0)	97,800	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor repairs, replace carpeting, replace screen doors, replace vinyl floors in kitchen and bathrooms 1, 3 and 4, repair cracked kitchen walls and complete interior painting. Major repairs include replace roof. (Year built: 1941; NSF: 2,225; ELIG)</p>							
<u>VIRGINIA</u>							
CNB	Heritage House						
NORFOLK	A	7,600	6,200	171,600	(0)	185,400	0
<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor plumbing, plaster, HVAC and mechanical system repairs. Major repairs consist of plaster repair and interior and exterior painting including lead based paint and asbestos abatement. Bathroom modernization's; repair/replace electrical system, repair damaged windows, replace damaged vinyl siding and deteriorated gutters and downspouts, replace antiquated bifold closet doors, enhance closet spaces; refinish wood floors; repair sub-flooring and joists. Remove existing roof over front entrance and add new columns and porch railings; replace 2 windows in the front exterior area. Repair patio, deteriorated fencing and storage area. Repair/replace driveway and walkways. (Year built: 1947; NSF: 2,524)</p>							



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<u>OUTSIDE THE UNITED STATES</u>							
CNB NORFOLK	Cornick House A-39	3,100	6,700	151,800	(0)	161,600	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace wall paper in kitchen and 4 bathrooms, replace carpet and lighting fixtures. Major repairs include lead base paint abatement, restore trim work, foundation and floor repairs, walls, refinish 42 windows, upgrade electrical, plumbing systems, gas piping and ductwork. Replace air handler and HVAC. Replace awnings, porches and roof. (Year built: 1907; NSF: 2880; ELIG)							
CNB NORFOLK	E-A	7,600	8,500	142,600	(0)	158,700	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance, service calls and change of occupancy work to include minor plumbing, plaster, mechanical system repairs, recaulking and regrouting bathrooms; partial carpet replacement. Major repairs include interior and exterior painting with lead base paint abatement, replace kitchen floor joists and vinyl flooring; repair siding and wall studs; restore trim, refinish and adjust windows and foundation repairs. (Year built: 1922; NSF: 2,184; ELIG)							
CNB NORFOLK	E-B	3,100	7,300	45,900	(0)	56,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes replace wall paper in kitchen and bathrooms, upgrade bathrooms, replace carpet, kitchen and bath vinyl flooring, refinish wood floors in dining room and bedrooms, replace lighting fixtures. (Year built: 1922; NSF: 2,184; ELIG)							

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Major repairs include repair driveway/walkway; upgrade gas and water piping; upgrade wiring; renovate bathrooms; refinish dining room and bedroom wood floors and restore trim. Repair foundation, subflooring and joists; replace air handlers, HVAC, ductwork and humidifiers; replace wall siding and studs; replace awnings, columns and porches; replace gutters and downspouts; replace roof and repair trusses. (Year built: 1907; NSF: 9,415; NHR)</p> </td> </tr> <tr> <td>CNB Ohio House</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NORFOLK F-33E</td> <td></td> <td>4,100</td> <td>6,000</td> <td>157,400</td> <td>(36,000)</td> <td>167,500</td> <td>0</td> </tr> <tr> <td colspan="8"> <p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes refinish dining and bedroom wood floors, replace vinyl floors. Bathroom renovations include install diffusers and exhaust fans in Powder room. Bathroom #1 includes level floor and reset all cove base. Bathroom #2 includes replace vanity on south wall. Bathroom #4 includes replace shower, toilet, sink, door, lighting and install GFI outlets, level floor, replace drain lines and partition wall, refinish antique ball and claw tub. Major repairs include renovate second floor bathroom to replace ceramic floor tiles, vanity, medicine chest, light fixtures and accessories. Interior and exterior painting including lead base paint and asbestos abatement; replace awnings, porches and roof including shingles and flashing. Replace gutters and down spouts, repair attic truss; upgrade plumbing and wiring, replace air handlers and HVAC, ductwork and upgrade gas piping. (Year built: 1907; NSF: 4,008; NHR)</p> </td> </tr> <tr> <td>CNB Cheatham House</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NORFOLK M-101</td> <td></td> <td>3,100</td> <td>6,700</td> <td>69,400</td> <td>(0)</td> <td>79,200</td> <td>0</td> </tr> <tr> <td colspan="8"> <p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing, plaster, HVAC and mechanical system repairs, recaulking and regrouting bathrooms and interior painting. (Year built: 1918; NSF: 3,093; NHR)</p> </td> </tr> </tbody> </table>								STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	HIST PRES	TOTAL	IMPROVS	<u>INSIDE THE UNITED STATES</u>								CNB Missouri House								NORFOLK F-32		4,100	8,900	387,800	(159,000)	400,800	0	<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing, plaster, and mechanical system repairs, recaulking and regrouting bathrooms, replace light fixtures; interior and exterior painting and lead based paint and asbestos abatement. Major repairs include repair driveway/walkway; upgrade gas and water piping; upgrade wiring; renovate bathrooms; refinish dining room and bedroom wood floors and restore trim. Repair foundation, subflooring and joists; replace air handlers, HVAC, ductwork and humidifiers; replace wall siding and studs; replace awnings, columns and porches; replace gutters and downspouts; replace roof and repair trusses. (Year built: 1907; NSF: 9,415; NHR)</p>								CNB Ohio House								NORFOLK F-33E		4,100	6,000	157,400	(36,000)	167,500	0	<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes refinish dining and bedroom wood floors, replace vinyl floors. Bathroom renovations include install diffusers and exhaust fans in Powder room. Bathroom #1 includes level floor and reset all cove base. Bathroom #2 includes replace vanity on south wall. Bathroom #4 includes replace shower, toilet, sink, door, lighting and install GFI outlets, level floor, replace drain lines and partition wall, refinish antique ball and claw tub. Major repairs include renovate second floor bathroom to replace ceramic floor tiles, vanity, medicine chest, light fixtures and accessories. Interior and exterior painting including lead base paint and asbestos abatement; replace awnings, porches and roof including shingles and flashing. Replace gutters and down spouts, repair attic truss; upgrade plumbing and wiring, replace air handlers and HVAC, ductwork and upgrade gas piping. (Year built: 1907; NSF: 4,008; NHR)</p>								CNB Cheatham House								NORFOLK M-101		3,100	6,700	69,400	(0)	79,200	0	<p>Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing, plaster, HVAC and mechanical system repairs, recaulking and regrouting bathrooms and interior painting. (Year built: 1918; NSF: 3,093; NHR)</p>							
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<u>STATE/</u> <u>INSTALLATION</u>	<u>QTRS ID</u>	<u>OPS</u>	<u>UTIL</u>	<u>MAINT</u> <u>&amp; RPR</u>	<u>HIST</u> <u>PRES</u>	<u>TOTAL</u>	<u>IMPROVS</u>
<u>INSIDE THE UNITED STATES</u>							
CNB NORFOLK	Chevalier House SP-19	3,100	5,100	140,300	(0)	148,500	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes upgrade bathrooms, replace kitchen and bath vinyl floors and wall paper, replace carpet, lighting fixtures and interior paint including lead base paint and asbestos abatement. Major repairs include repair awnings, porches, driveway, walkway, fences, repair siding walls and brick work, refinish windows, restore trim work, repair foundation/floor, replace gutters and down spouts, upgrade wiring, gas piping and replace roof. Exterior paint with lead base paint and asbestos abatement and repair lightning protection system. (Year built: 1941; NSF: 2,376; ELIG)							
CNB NORFOLK	Ellyson House SP-20	3,100	5,400	135,700	(0)	143,500	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing, plaster, HVAC and mechanical system repairs, recaulking and regrouting bathrooms and interior painting with lead base paint and asbestos abatement. Major repairs include renovate second floor bathroom to replace ceramic floor tiles, vanity, medicine chest, light fixtures and accessories. Electrical repairs include replace receptacles throughout, replace exterior light fixtures and repair electrical system in the living space, attic and crawl space. Exterior painting including lead base paint abatement and replace roof. (Year built: 1941; NSF: 2,026; ELIG)							
CNB NORFOLK	Read House SP-21	3,100	5,400	122,600	(0)	131,100	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine recurring maintenance and service calls. Change of occupancy maintenance includes minor plumbing, plaster, HVAC and mechanical system repairs, recaulking and regrouting bathrooms, interior painting with lead base paint and asbestos abatement. Major repairs include renovate second floor bathroom to replace ceramic floor tiles, vanity, medicine chest, light fixtures and accessories. Exterior paint and lead abatement and replace roof. (Year built: 1941; NSF: 2,026; ELIG)							

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**US NAVY**  
**FY 1999**  
**FAMILY HOUSING FURNISHINGS SUMMARY**  
**(Dollars in thousands)**  
**SUMMARY**

FURNISHINGS (LESS HOUSEHOLD EQUIPMENT)				HOUSEHOLD EQUIPMENT				TOTAL FURNISHINGS			
MOVING & MAINT		REPLACE- INITIAL		MOVING & MAINT		REPLACE- INITIAL		MOVING & MAINT		REPLACE- INITIAL	
HANDLING	REPAIR	MENT	ISSUE	TOTAL	HANDLING	REPAIR	MENT	ISSUE	TOTAL	HANDLING	REPAIR
<b>FY 1997</b>											
CONUS	1,177	160	1,285	1,340	3,962	1,816	1,554	2,879	0	6,249	2,993
US O S	2,187	191	1,564	1,747	5,689	2,390	1,594	3,905	0	7,889	4,577
FOREIGN	1,500	136	925	1,231	3,792	1,837	723	1,166	266	3,992	3,337
PUBLIC	630	40	664	627	1,961	738	354	808	201	2,101	1,368
PRIVATE	870	96	261	604	1,831	1,099	369	358	65	1,891	1,969
TOTAL	4,864	487	3,774	4,318	13,443	6,043	3,871	7,950	266	18,130	10,907
											4,358
											11,724
											4,584
											31,573
<b>FY 1998 Estimate</b>											
CONUS	1,166	158	1,267	1,321	3,912	1,791	1,532	2,806	0	6,129	2,957
US O S	2,156	188	1,542	1,722	5,608	2,356	1,571	3,843	0	7,770	4,512
FOREIGN	1,479	134	912	1,213	3,738	1,810	713	1,149	262	3,934	3,289
PUBLIC	621	39	655	618	1,933	727	349	796	198	2,070	1,348
PRIVATE	858	95	257	595	1,805	1,083	364	353	64	1,864	1,941
TOTAL	4,801	480	3,721	4,256	13,258	5,957	3,816	7,798	262	17,833	10,758
											4,296
											11,519
											4,518
											31,091
<b>FY 1999 Estimate</b>											
CONUS	1,131	154	1,235	1,288	3,808	1,746	1,493	2,559	0	5,798	2,877
US O S	2,102	183	1,503	1,678	5,466	2,297	1,532	3,741	0	7,570	4,399
FOREIGN	1,442	131	890	1,182	3,645	1,764	695	1,096	255	3,810	3,206
PUBLIC	605	38	639	602	1,884	709	341	751	193	1,994	1,314
PRIVATE	837	93	251	580	1,761	1,055	354	345	62	1,816	1,892
TOTAL	4,675	468	3,628	4,148	12,919	5,899	3,720	7,396	255	17,178	10,482
											4,188
											11,024
											4,403
											30,097

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US MARINE CORPS FY 1999 FAMILY HOUSING FURNISHINGS SUMMARY (Dollars in thousands)														
FURNISHINGS (LESS HOUSEHOLD EQUIPMENT)					HOUSEHOLD EQUIPMENT					TOTAL FURNISHINGS				
MOVING & HANDLING	MAINT REPAIR	REPLACE-MENT	INITIAL ISSUE	TOTAL	MOVING & HANDLING	MAINT REPAIR	REPLACE-MENT	INITIAL ISSUE	TOTAL	MOVING & HANDLING	MAINT REPAIR	REPLACE-MENT	INITIAL ISSUE	TOTAL
FY 1997														
CONUS	155	15	45	1	216	573	543	733	1	1,850	728	558	778	2
US O/S	97	27	23	0	147	97	233	9	285	624	194	260	32	2,066
FOREIGN	74	10	42	22	148	8	15	40	0	63	82	25	82	285
PUBLIC	59	8	35	22	124	7	14	36	0	57	66	22	71	771
PRIVATE	15	2	7	0	24	1	1	4	0	6	16	3	11	211
TOTAL	326	52	110	23	511	678	791	782	286	2,537	1,004	843	892	22
FY 1998														
CONUS	182	41	52	0	275	564	561	757	0	1,882	746	602	809	2
US O/S	0	34	11	0	45	0	222	351	0	573	0	256	362	2,157
FOREIGN	79	12	22	113	226	20	17	82	0	119	99	29	104	0
PUBLIC	63	10	18	91	182	16	14	66	0	96	79	24	84	113
PRIVATE	16	2	4	22	44	4	3	16	0	23	20	5	20	345
TOTAL	261	87	85	113	546	584	800	1,190	0	2,574	845	887	1,275	278
FY 1999														
CONUS	184	42	93	0	319	575	544	488	0	1,607	759	586	581	0
US O/S	0	35	11	0	46	0	245	359	0	604	0	280	370	1,926
FOREIGN	95	11	21	294	421	24	16	65	0	105	119	27	86	0
PUBLIC	76	9	17	294	396	19	13	52	0	84	95	22	69	526
PRIVATE	19	2	4	0	25	5	3	13	0	21	24	5	17	294
TOTAL	279	88	125	294	786	599	805	912	0	2,316	878	893	1,037	46

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET  
FOREIGN NATIONAL PERSONNEL  
OP - 10

	<u>Work Years</u>	<u>Total Compensation &amp; Benefits \$000</u>
1. Operations and Maintenance		
a. CANAL ZONE		
(1) Direct Hire	4	132.4
(2) Indirect Hire		
b. EGYPT		
(1) Direct Hire		
(2) Indirect Hire	1.5	41.1
c. ICELAND		
(1) Direct Hire	9	541.4
(2) Indirect Hire		
d. ITALY		
(1) Direct Hire	71.0	2812.0
(2) Indirect Hire		
e. JAPAN		
(1) Direct Hire		
(2) Indirect Hire	77.0	1004.9
f. KOREA		
(1) Direct Hire	2.0	54.2
(2) Indirect Hire		
g. PORTUGAL		
(1) Direct Hire	1.0	24.0
(2) Indirect Hire		
h. SPAIN		
(1) Direct Hire	27.0	1051.8
(2) Indirect Hire	4.0	131.3
i. UNITED KINGDOM		
(1) Direct Hire	8.0	425.5
(2) Indirect Hire	1.0	23.6
2. Subtotal Operations and Maintenance		
(1) Direct Hire	122.0	5041.3
(2) Indirect Hire	82.0	1200.9
3. Total	204.0	6242.2

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1999 BUDGET ESTIMATE  
LEASING

(In Thousands)

FY 1999 Program \$135,079  
FY 1998 Program \$124,507

Purpose and Scope

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

Program Summary

	FY 1997			FY 1998			FY 1999		
	Yr End Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)	Auth Units	Avg Units	Cost (\$000)
Domestic	964	865	11,963	3,183	1,390	20,985	3,183	1,384	21,075
801	3,014	2,414	42,691	5,347	2,414	43,247	5,347	2,414	43,057
Foreign	1,541	1,568	53,877	4,229	2,471	60,275	4,229	1,977	70,947
Total	5,519	4,847	108,531	12,759	6,275	124,507	12,759	5,775	135,079

JUSTIFICATION

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation. This program consists of leasing on an interim basis until Section 801, military construction (MILCON) units, and homes undergoing revitalization come on line.

Section 801 of the FY 1984 Military Construction Authorization Act (PL 98-115) authorized the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program was made permanent and codified as Section 2835 of Title 10, United States Code, in FY 1992. The Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units), Staten Island, NY (1,000 units), Washington, DC (600 units), Washington, DC (Summerfield-414 units), Port Hueneme/Point Mugu, CA (300 units), Pensacola, FL (300 units), and Twentynine Palms, CA (600 units). The Staten Island, NY (1,000 units) project was terminated due to base closure.

### Domestic Leasing Fiscal Year Summary:

FY 1997 - The domestic lease program consists of 3,978 units requiring funding of \$54.654 million. Funding in the amount of \$42.691 million provides full funding for Section 801 projects at Earle, Norfolk, Mayport, Washington, DC, Pensacola, Port Hueneme and Twentynine Palms. The remaining \$11.963 million is required to support domestic short term leases in New London, CT; Norfolk, VA; San Diego, CA; Everett and Whidbey Island, WA; Mayport, FL; and, NAS Corpus Christi, TX.

FY 1998 - The domestic lease program consists of 4,623 units requiring funding of \$64.232 million. Funding in the amount of \$43.247 million provides full funding for Section 801 projects at Earle, Norfolk, Mayport, Washington, DC, Pensacola, Port Hueneme and Twentynine Palms. The remaining \$20.985 million is required to support domestic short term leases in New London, CT; Norfolk, VA; San Diego, CA; Everett and Whidbey Island, WA; Mayport, FL; NAS Corpus Christi, TX; and, includes \$7.412 million for 550 leases for recruiters at locations which are not supported by a military installation and where housing allowances are inadequate.

FY 1999 - The domestic lease program consists of 4,545 units requiring funding of \$64.132 million. Funding in the amount of \$43.057 million provides full funding for Section 801 projects at Earle, Norfolk, Mayport, Washington, DC, Pensacola, Port Hueneme and Twentynine Palms. The remaining \$21.075 million is required to support domestic short term leases in Norfolk, VA; San Diego, CA; Everett and Whidbey Island, WA; Mayport, FL; NAS Corpus Christi, TX; and, includes \$8.215 million for 598 leases for recruiters at locations which are not supported by a military installation and where housing allowances are inadequate.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

The FY 1997 unit authorization consists of 4,229 units and funding for 1,635 of those units. The authorization difference of 2,594 is to support lease initiatives at Naples, Gaeta, LaMaddalena and Sigonella, Italy, that do not require funding until FY 1998.

The FY 1998 unit authorization consists of 4,229 units and funding for 2,326 of those units. The authorization difference of 1,903 is to support lease initiatives at Naples, Gaeta, LaMaddalena and Sigonella, Italy, that do not require funding until FY 1999.

The FY 1999 unit authorization consists of 4,229 units and funding for 3,024 of those units. The authorization difference of 1,205 is to support lease initiatives at Naples and Sigonella, Italy, that do not require funding until FY 2000.

### Reconciliation of Increases and Decreases:

1. FY 1998 Budget Request	124,507
2. Pricing Adjustment	2,615
a. Inflation	( 2,615)
3. Program Increases	10,694
a. New units coming on line at Everett, LaMaddalena, Gaeta, Naples and Sigonella	(10,694)
4. Program Decreases	-2,737
a. Termination of San Diego, New London, Norfolk and Rota leases	(-2,737)
5. FY 1999 Budget Request	135,079





**DEPARTMENT OF NAVY**  
FAMILY HOUSING,NAVY & MARINE CORPS  
FY 1999 BUDGET  
DEBT PAYMENT  
(Thousands of Dollars)

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	FY 1997	FY 1998	FY 1999
	NAVY & MC	NAVY & MC	NAVY & MC

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<u>TOA</u>			
INTEREST & OTHER EXPENSES:			
SERVICEMEN'S MORTGAGE INS.			
PREMIUMS	80	78	76
TOTAL OBLIGATING AUTHORITY	80	78	76
BUDGET AUTHORITY	80	78	76

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DEPARTMENT OF THE NAVY  
FAMILY HOUSING, NAVY  
FY 1999 BUDGET

SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

In accordance with authority contained in Section 222 of the Housing Act of 1954, as amended, this program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for mortgages on housing purchased by military personnel on active duty and for continuing payments in those cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. In the latter case, payments extend for a period of two years beyond the date of the serviceman's death or until the date the widow disposes of the property, whichever occurs first. With the discontinuance of Section 222 Mortgages as of 31 March 1980, the Department of Housing and Urban Development stopped processing applications for SMIP.

	FY 1997 NAVY & MC	FY 1998 NAVY & MC	FY 1999 NAVY & MC
Number of Mortgages	570	555	541
Average Payment	\$140	\$140	\$140
Total Payment	\$80,000	\$78,000	\$76,000



DEPARTMENT OF THE NAVY  
REAL PROPERTY ACTIVITIES  
FY 1999 BUDGET  
OPERATION AND MAINTENANCE COSTS  
(HISTORIC HOUSING COSTS)  
(\$000)

HISTORIC HOUSING COSTS	<u>FY 1998</u>	<u>FY 1999</u>
A. Number of Units	370	300
B. Maintenance	3,832.9	2,747.1
C. Repairs	6,356.0	5,452.0
D. Improvements	<hr/>	<hr/>
E. Grand Total	10,188.9	8,199.1

REAL PROPERTY MAINTENANCE ACTIVITIES  
 FY 1999 NAVCOMPT BUDGET  
 OPERATION & MAINTENANCE  
 Real Property Maintenance and Minor Construction Projects  
 (HISTORICAL BUILDINGS COSTS)  
 US MARINE CORPS

PART I: HISTORIC HOUSING COSTS

	<u>FY 1998</u>	<u>FY 1999</u>
A. No. of Units:	1	1
B. Improvements:	0	0
C. Maintenance and Repair:	62,800	61,000
D. Historic Preservation:	( 0)*	0
 A. No. of Units:	 0	 0
B. Improvements:	0	0
C. Maintenance and Repair:	0	0
D. Historic Preservation:	0	( 0)*

PART II: ALL OTHR HISTORIC BUILDINGS

A. No. of Facilities:  
 B. Minor Construction  
 C. Major Repair (over \$25,000.0):  
 D. Recurring Maintenance (\$25,000 or under):

\*Historic preservation costs are a subset of the total maintenance and repair costs.